

AD-A274 641

TECHNICAL SUPPORT FOR ROCKY MOUNTAIN ARSENAL

Offpost Operable Unit Remedial Investigation

Draft Final Addendum

Volume II of II

November 1991 Contract Number DAAA15-88-0021



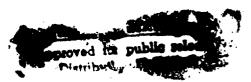
PREPARED BY

Harding Lawson Associates
Environmental Science and Engineering

PREPARED FOR

PROGRAM MANAGER FOR ROCKY MOUNTAIN ARSENAL





THIS DOCUMENT IS INTENDED TO COMPLY WITH THE NATIONAL ENVIRONMENTAL POLICY ACT OF 1969.

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THE INFORMATION AND CONCLUSIONS PRESENTED IN THIS REPORT REPRESENT THE OFFICIAL POSITION OF THE DEPARTMENT OF THE ARMY UNLESS EXPRESSLY MODIFIED BY A SUBSEQUENT DOCUMENT. THIS REPORT CONSTITUTES THE RELEVANT PORTION OF THE ADMINISTRATION RECORD FOR THIS CERCLA OPERABLE UNIT.

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REPORT DOCUMENTATION PAGE

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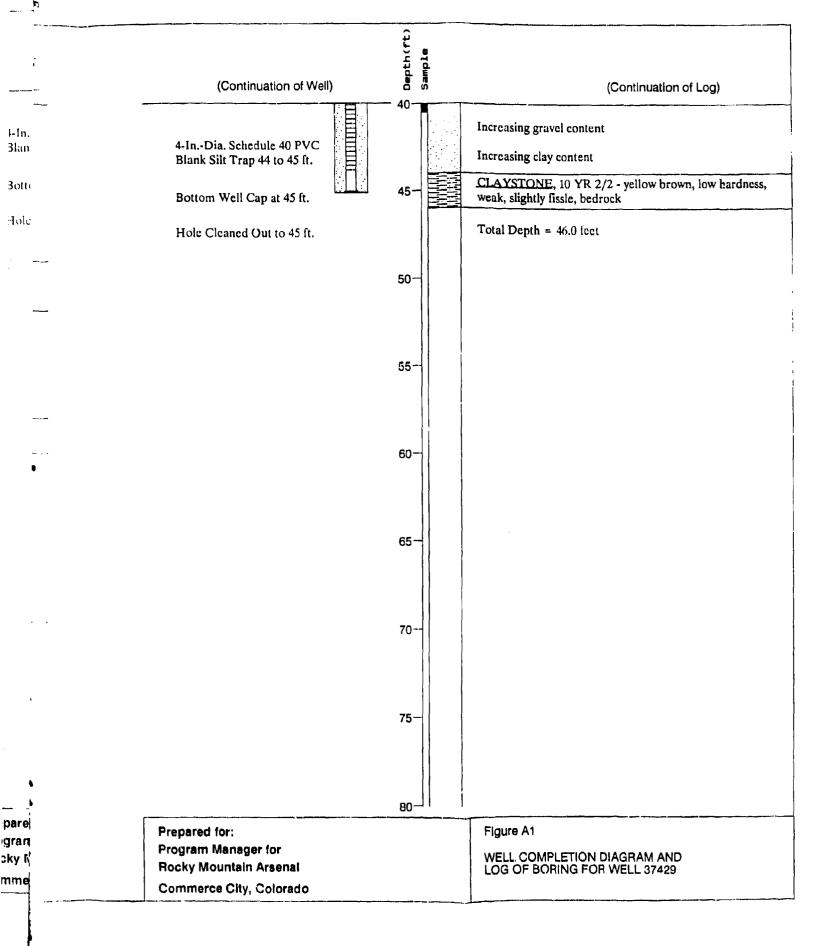
Appendix A

LITHOLOGIC LOGS, CONSTRUCTION SUMMARIES, COMPLETION REPORTS AND SURVEY DATA

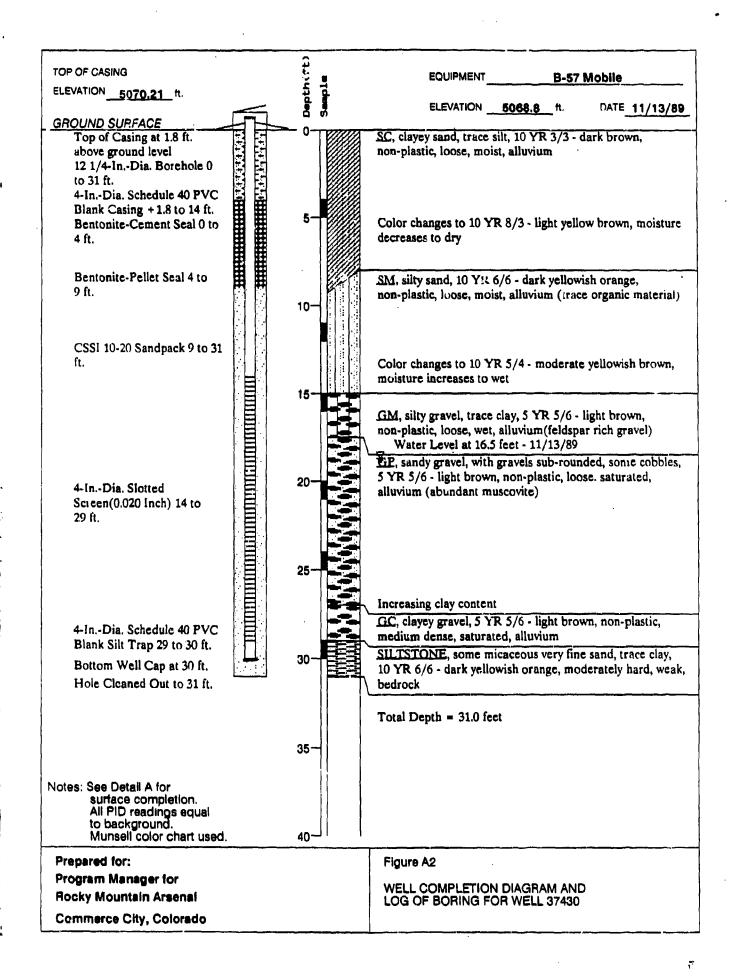
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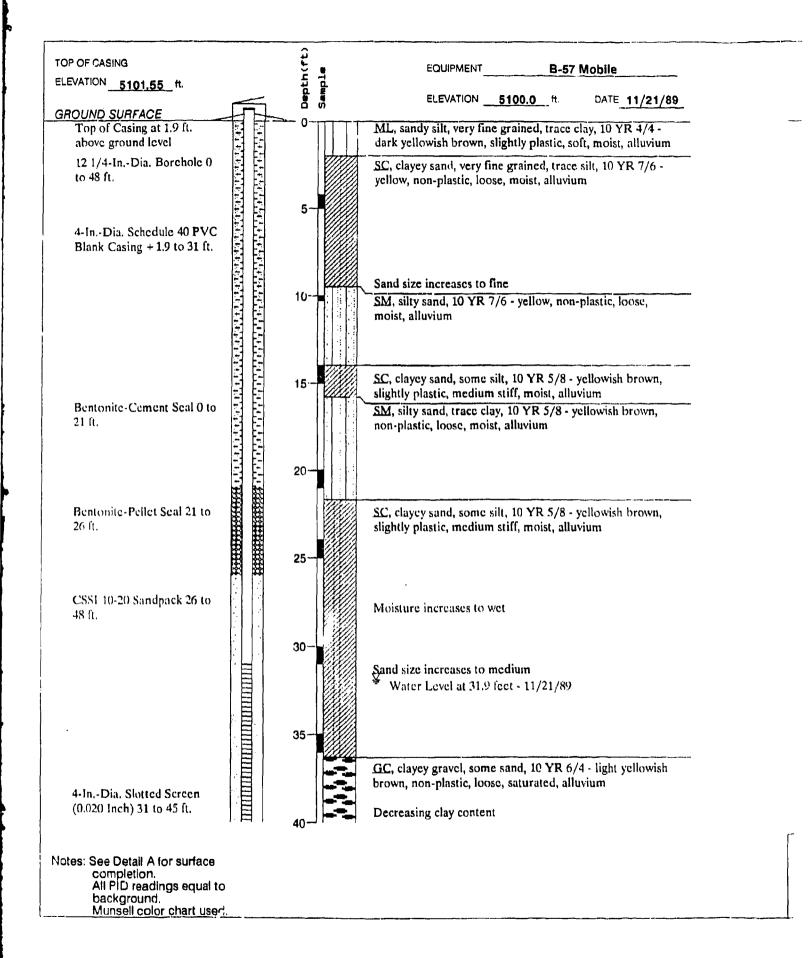
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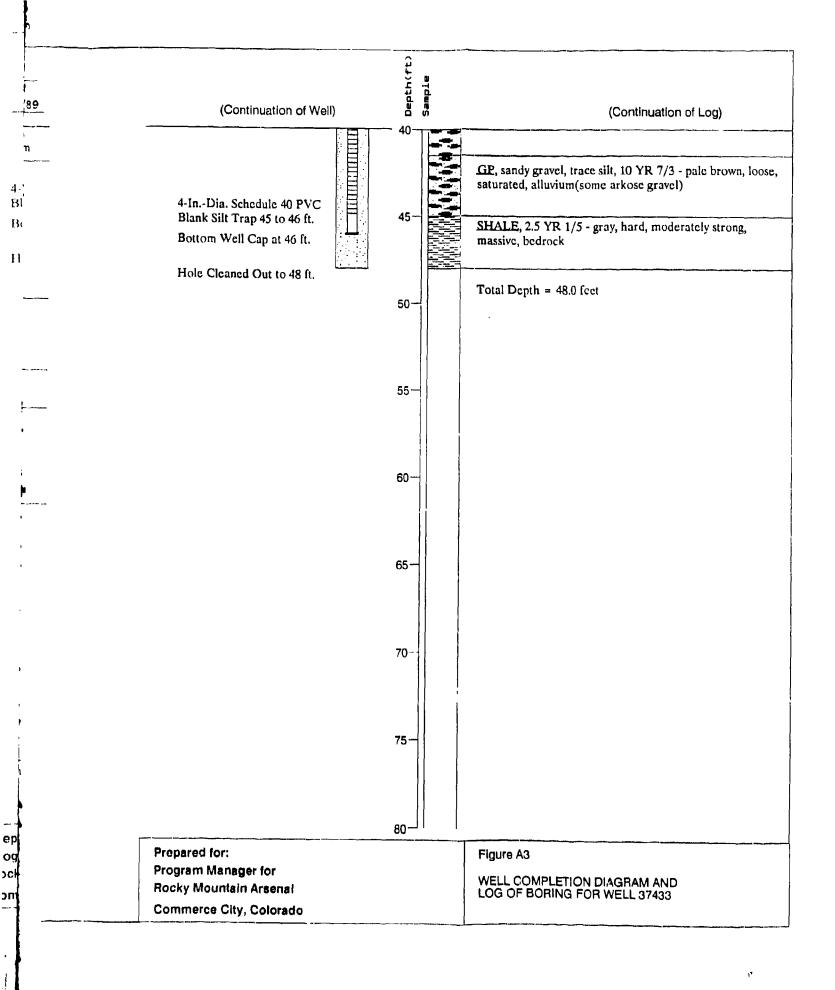
TOP OF CASING	£.	EQUIPMENT B-57 Mobile	_
ELEVATION 5092.06 ft.	Depth(ft)		
GROUND SURFACE		·	
Top of Casing at 1.8 ft, above ground level		SM, silty sand, 5 YR 5/6 - medium brown, non-plastic, loose, dry, alluvium	
12 1/4-lnDia. Borchole 0			
to 45 ft. 4-InDia, Schedule 40 PVC	5 — 10 — 15 — 25 — 25 — 25 — 25 — 25 — 25 — 25		
Blank Casing +1.8 to 29 ft.		Occasional coarse grained sand SM, silty sand, 20% silt, 5% clay, very fine to fine grained,	
	10-	5 YR 4/4 - medium brown, non-plastic, loose, moist, alluvium SC, clayey sand, 20% clay, 5 YR 3/4 - medium brown,	
Bentonite-Cement Scal 0 to 20 ft.	15-11-11-11-11-11-11-11-11-11-11-11-11-1	slightly plastic, very soft, moist, alluvium	
	7474747	Silty sand lenses of 0.5 feet at 15 and 17.5 feet	
	20-	SP, sand, fine to medium grained, trace silt, 5 YR 6/4 - light brown, non-plastic, loose, moist, alluvium	
Bentonite-Pellet Scal 20 to 25.5 ft.	20-	SM, silty clayey sand, 40% silt, 20% clay, 5 YR 5/2 - pale brown, slightly plastic, very soft, moist, alluvium	
		Color changes to 10 YR 6/2 - pale yellow brown	
	25-	Organic material and mottled iron-staining	
CSSI 10-20 Sandpack 25.5 to 45 ft.		Moisture increases to wet	
	30-	Decreasing sand content	
		Water Level at 31.5 feet - 11/09/89 SW, gravelly sand, very coarse sand, trace silt, trace clay, 5	
4-InDia. Slotted Screen (0.020 Inch) 29 to 44 ft.		YR 6/4 - light brown, non-plastic, loose, saturated, alluvium	
	35-	Clay lense at 32.5 feet	
	35—	No recovery - flowing sand	
	40		Pr
Notes: See Detail A for surface completion. All PID readings equal to background. Munsell color chart used			Pr Rc Co



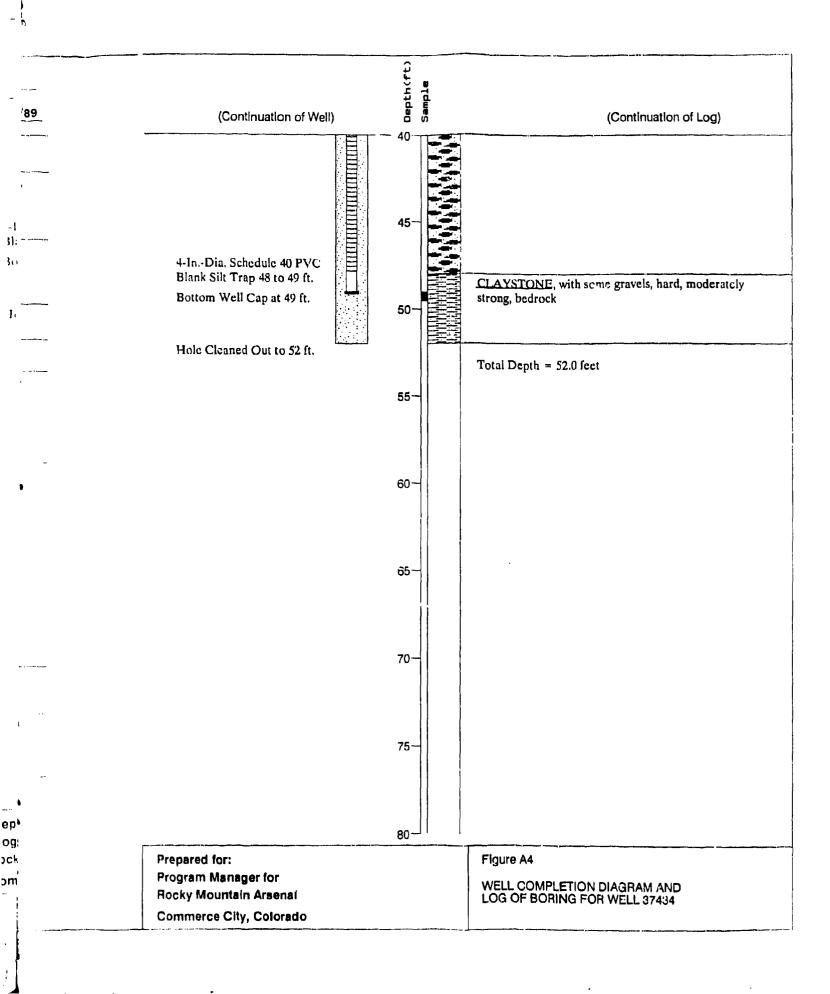
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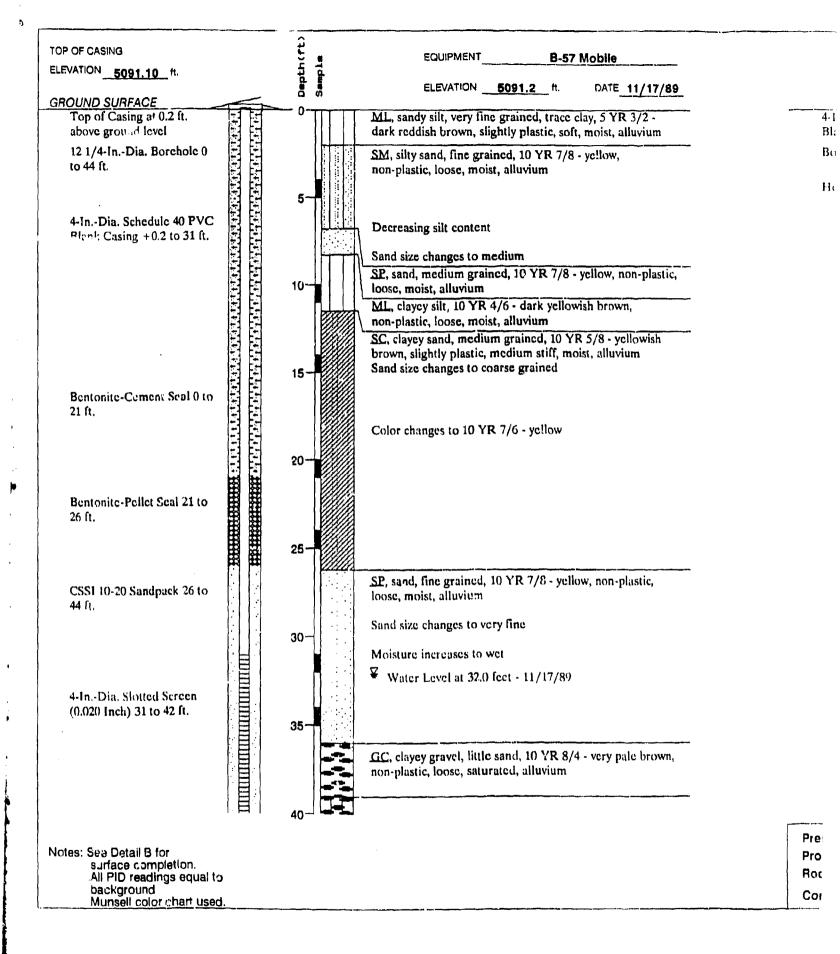




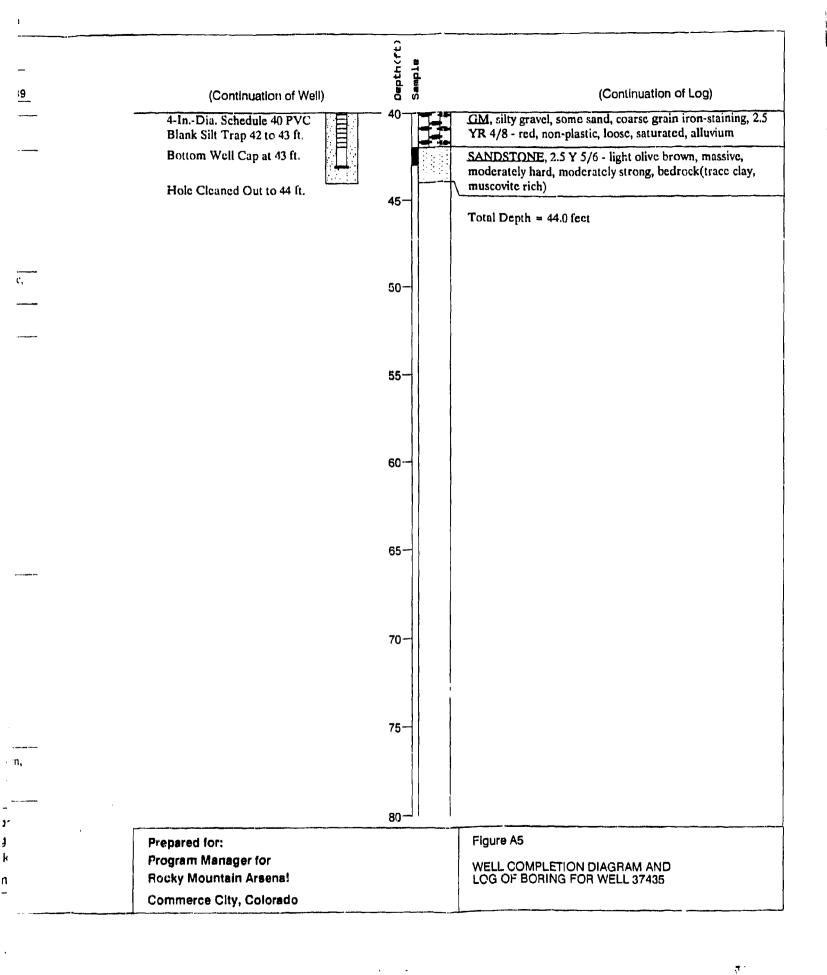


	\$	
TOP OF CASING	Depth(ft)	EQUIPMENT B-57 Mobile
ELEVATION 5089.85 ft.	l Depth Semple	ELEVATION <u>5090.31</u> ft. DATE 11/14/89
GROUND SURFACE	0 8	
Top of Casing at ground level		ML, sandy silt, very fine grained, trace clay, 10 YR 5/8 - yellowish brown, slightly plastic, soft, moist, alluvium
12 1/4-In,-Dia. Borchole 0 to 52 ft.	5- 1	SM, silty sand, 10 YR 5/8 - yellowish brown, non-plastic, loose, moist, alluvium
4-InDia. Schedule 40 PVC Blank Casing 0 to 33 ft.	25 0 10 15 15 15 15 15 15 15 15 15 15 15 15 15	SP, sand, fine to medium grained, 10 YP 5/8 yellowish brown, non-plastic, loose, moist, alluvium
	한 년 원 년 원 년	SW, sand, fine to coarse grained, trace silt, 10 YR 5/8 - yellowish brown, non-plastic, loose, moist, alluvium
Bentonite-Cement Scal 3 to 22.7 ft.		SC, clayey sand, 10 YR 7/8 - yellow, non-plastic, moderately dense, moist, alluvium
	15	SM, silty sand, 10 YR 5/8 - yellowish brown, non-plastic, loose, moist, alluvium
		Increasing clay content
	20	SP, sand, fine grained, 10 YR 8/8 - yellow, non-plastic, loose, moist, alluvium
Bentonite-Pellet Scal 22.7 to 28 ft.	10 - 15 - 20 - 25 - 25 - 25 - 25 - 25 - 25 - 2	Color changes to 10 YR 8/4 - very pale brown
	30-	Increasing clay content
CSSI 10-20 Sandpack 28 to 52 ft.	30	SM, silty sand, trace clay, 5 YR 4/4 - reddish brown, non-plastic, moderately dense, moist, alluvium (little muscovite)
4-InDia. Slotted Screen	35-	SW, gravelly sand, coarse grained, 10 YR 6/8 - brownish yellow, loose, wet, alluvium Water Level at 34.7 feet - 11/14/89
(0,020 Inch) 33 to 48 ft.	40-	GP, sandy gravel, 2.5 YR 5/8 - red, non-plastic, loose, saturated, alluvium (arkose rich gravels)
Notes: See Detail B for surface completion. All PID readings equal to background Munsell color chart used.		



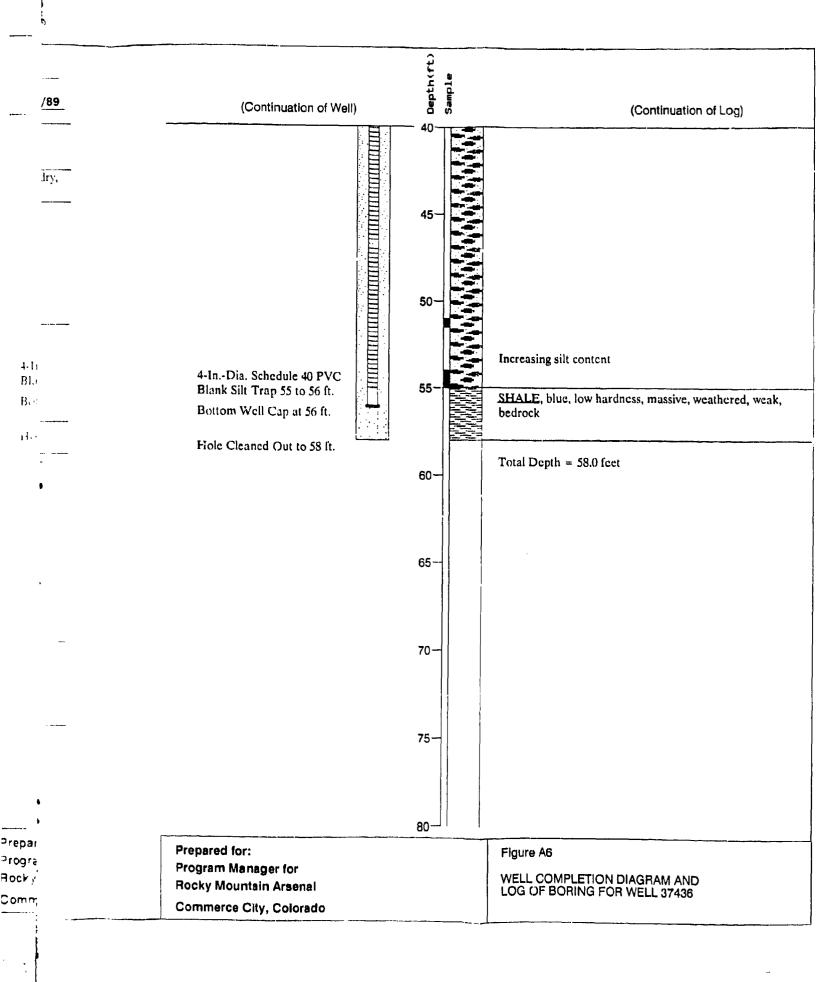


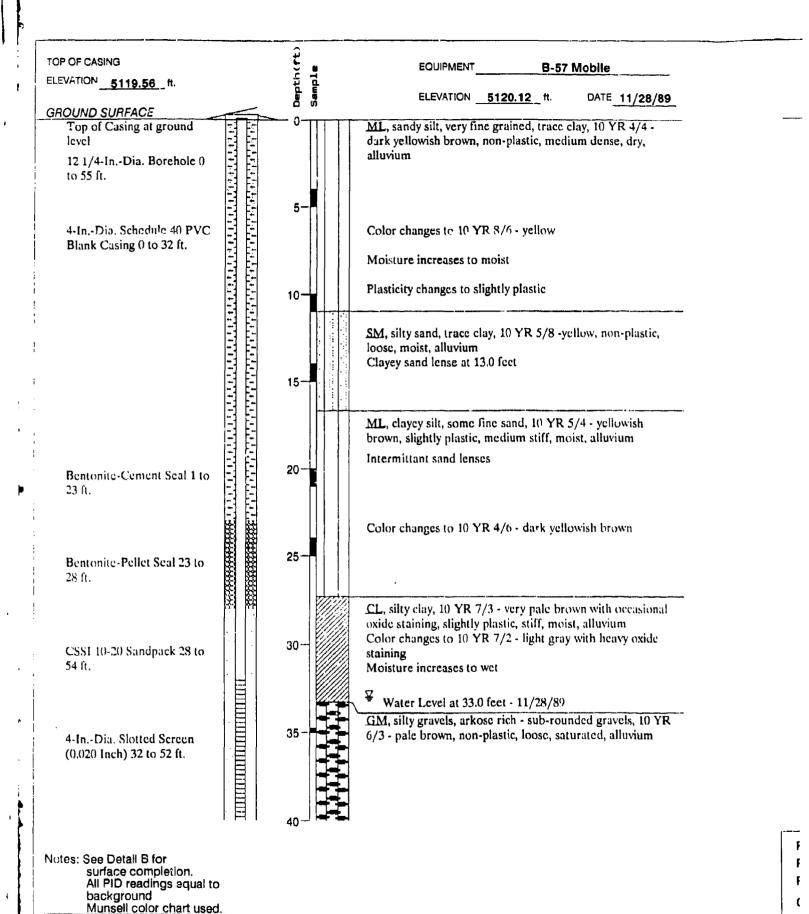
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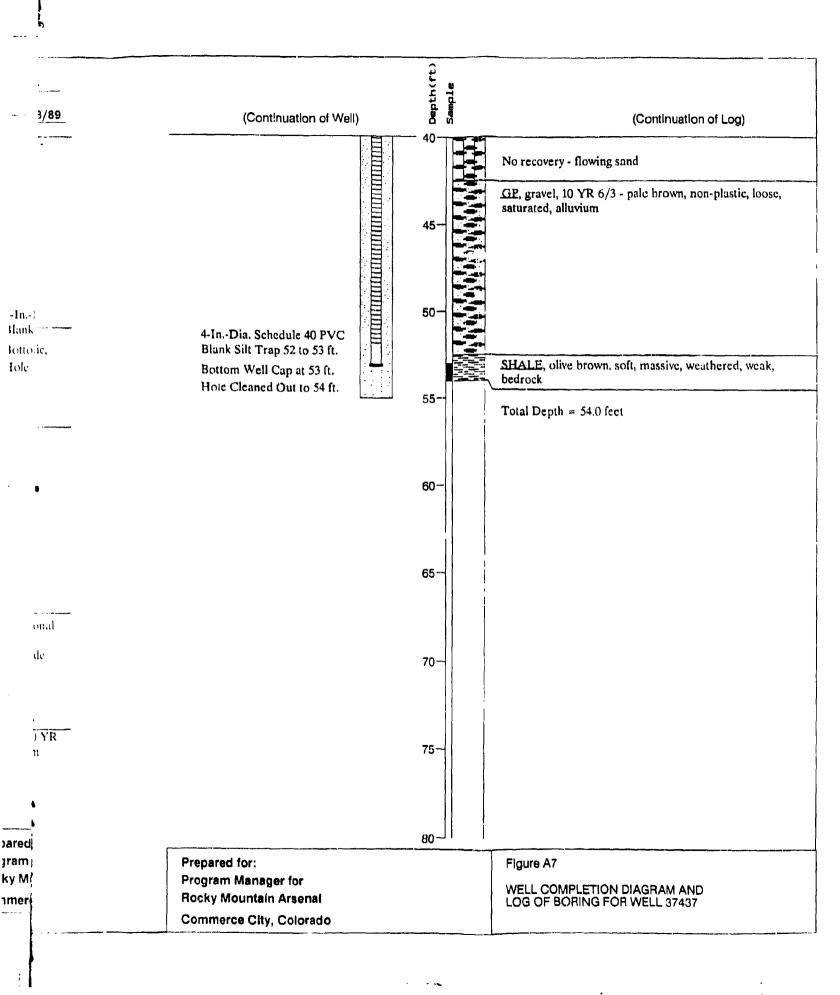


TOP OF CASING	Depth(ft) Sample	EQUIPMENT B-57 Mobile
LI EVATION 5116.04 ft.	Depth. Sampli	ELEVATION 5116.89 H. DATE 11/27/89
GROUND SURFACE	0 1	
Top of Casing at ground level		ML, sandy silt, very fine grained, trace clay, 10 YR 4/4 - dark yellowish brown, non-plastic, medium dense, dry, alluvium
12 1/4-In. Dia. Borehole 0 to 58 ft.		SC, clayey sand, 10 YR 7/6 - yellow, non-plastic, loose, dry, alluvium
	5-	ML, clayey silt, trace sand, 10 YR 8/6 - yellow, slightly plastic, medium stiff, moist, alluvium
4-InDia, Schedule 40 PVC Blank Casing 0 to 28 ft.	10	
		SM, silty sand, 10 YR 8/8 - yellow, non-plastic, loose, moist, alluvium
Bentonite Cement Scal 0 to 20 tr	15	
		Increasing clay content SC, clayey sand, some silt, 10 YR 5/4 - yellowish brown.
		slightly plastic, medium stiff, moist, alluvium
	20-1	ML, clayey silt, some very fine grained sand, 10 YR 5 4 - yellowish brown, slightly plastic, medium stiff, moist, alluvium
Bentomte Pellet Scal 20 to 25 ti		
	25-	
CSSI 10/20 Sandpack 25 to 88 ft	i	Color changes to 10 YR 7/2 - light gray with heavy oxide staining Moisture increases to wet Water Level at 28 0 feet - 11/27/80
	36 -	GM, silty gravels, sub-rounded gravels and sand, 10 YR to 3 - pale brown, non-plastic, loose, saturated, alluviam, arkose pebbles)
	35	GP, sandy gravels, little cobbles, trace silt, 10 YR 8 % vellow, non-plastic, loose, saturated alluvium
4 In Dia Stotted Screen 2012 Inch\ 28 to 85 tt		
	40-	
Notes: See Detail Bitor surface completion All PID readings equal to		

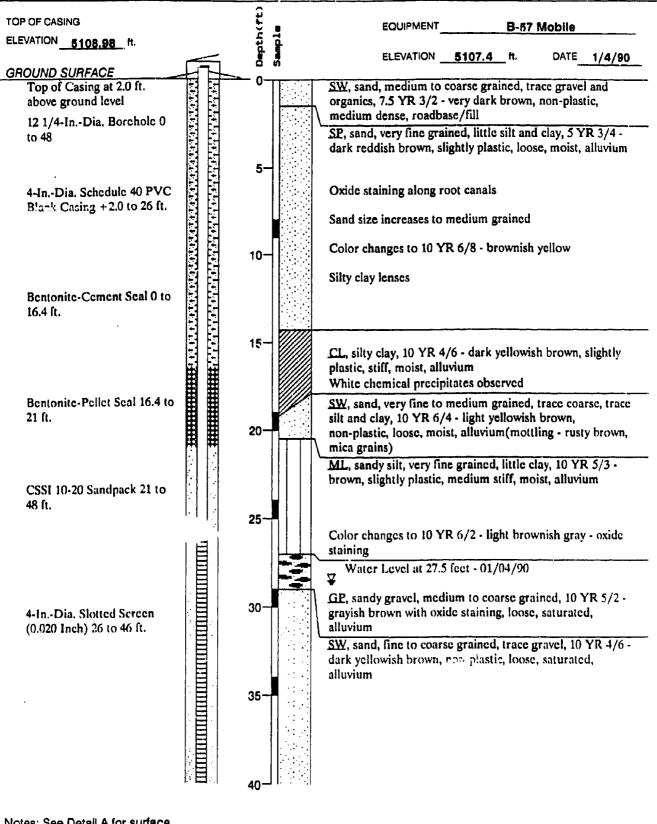
background Munser color chart used



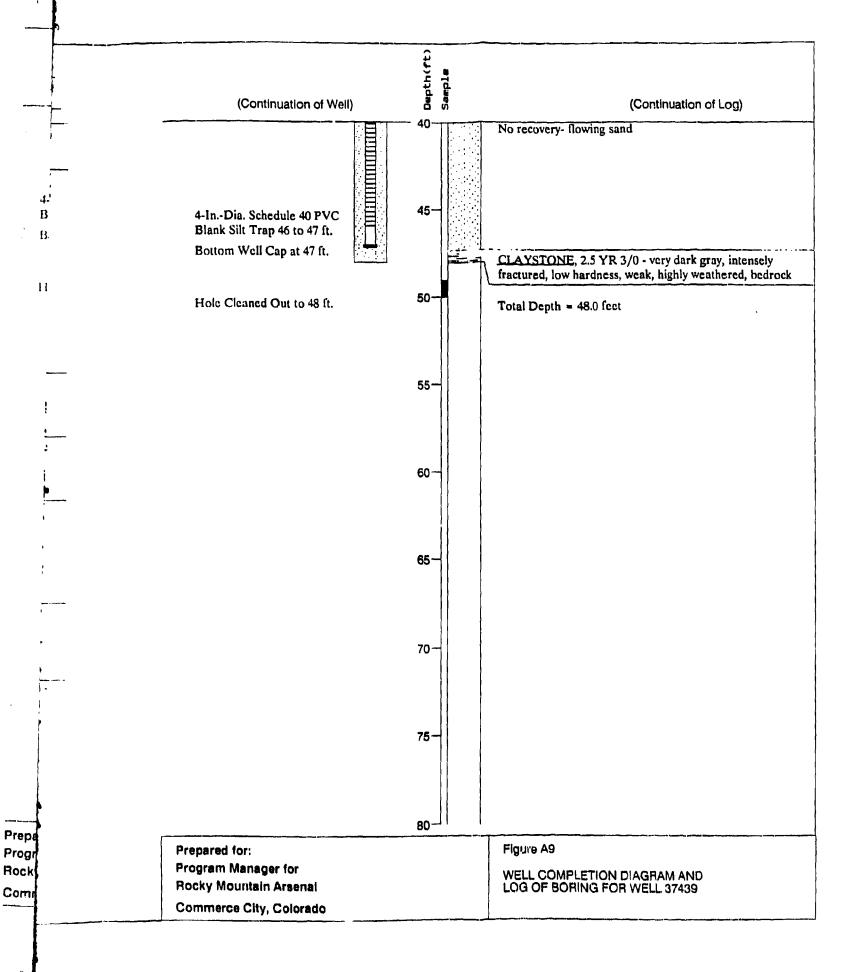




TOP OF CASING EQUIPMENT **B-57 Mobile** ELEVATION 5116.30 tt. ELEVATION _____ 5115.0 ___ ft. DATE 1/2/90 **GROUND SURFACE** ML, sandy silt, very fine grained, 10 YR 6/4 - light Top of Casing at 1.8 ft. yellowish brown, non-plastic, loose, dry, alluvium above ground level 12 1/4-In.-Dia. Borehole 0 to 39 ft. SC, clayey sand, some silt, 10 YR 6/6 - brownish yellow, slightly plastic, soft, moist, alluvium (biotite fragments) 4-In.-Dia. Schedule 40 PVC Blank Casing +1.8 to 25 ft. Increasing sand content SM, silty sand, trace clay, 10 YR 7/4 - very pale brown, Bentonite-Cement Seal 0 to non-plastic, loose, dry, alluvium 14.7 ft. Bentonite-Pellet Seal 14.7 to 20.3 ft. Decreasing clay content Sand size increases to medium SC, clayey sand, 10 YR 6/4 - light yellowish brown, slightly plastic, moist, medium stiff, alluvium 20 CSSI 10-20 Sandpack 20.3 to 39 ft. Increasing clay content Occasional sand lenses < 6" 4-In.-Dia. Slotted Screen Moisture increases to wet (0.020 Inch) 25 to 37 ft. Water Level at 27.0 feet - 01/02/90 GM, silty gravel, 10 YR 4/6 - dark yellowish brown, non-plastic, loose, saturated, alluvium 4-In.-Dia, Schedule 40 PVC Blank Silt Trap 37 to 38.3 ft. GP, sandy gravel, sub-rounded gravels, 10 YR 4/6 - dark Bottom Well Cap at 38.3 ft. yellowish brown, non-plastic, loose, saturated, alluvium (feldspar rich) Hole Cleaned Out to 39 ft. Notes: See Detail A for SHALE, weathered, 10 YR 6/3 - pale brown, soft, massive, surface completion. iron stained, bedrock All PID readings equal Total Depth = 40.0 feet to background. Munsell color chart used. Prepared for: Figure A8 **Program Manager for** WELL COMPLETION DIAGRAM AND **Rocky Mountain Arsenal** LOG OF BORING FOR WELL 37438 Commerce City, Colorado



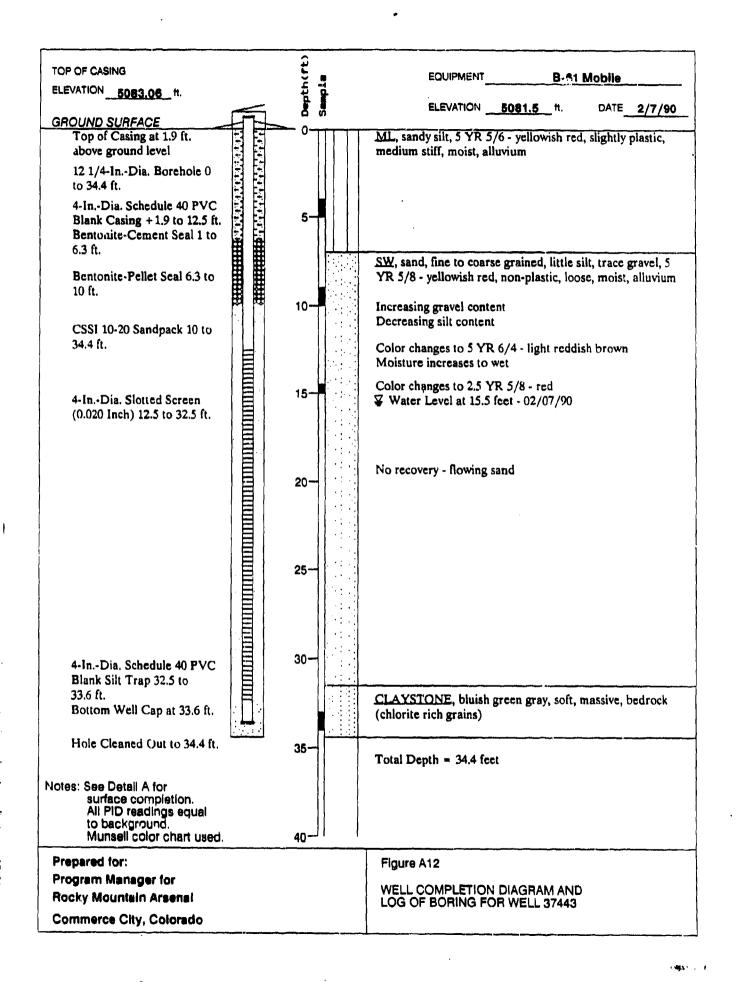
Notes: See Detail A for surface completion.
All PID readings equal to background.
Munsell color chart used.

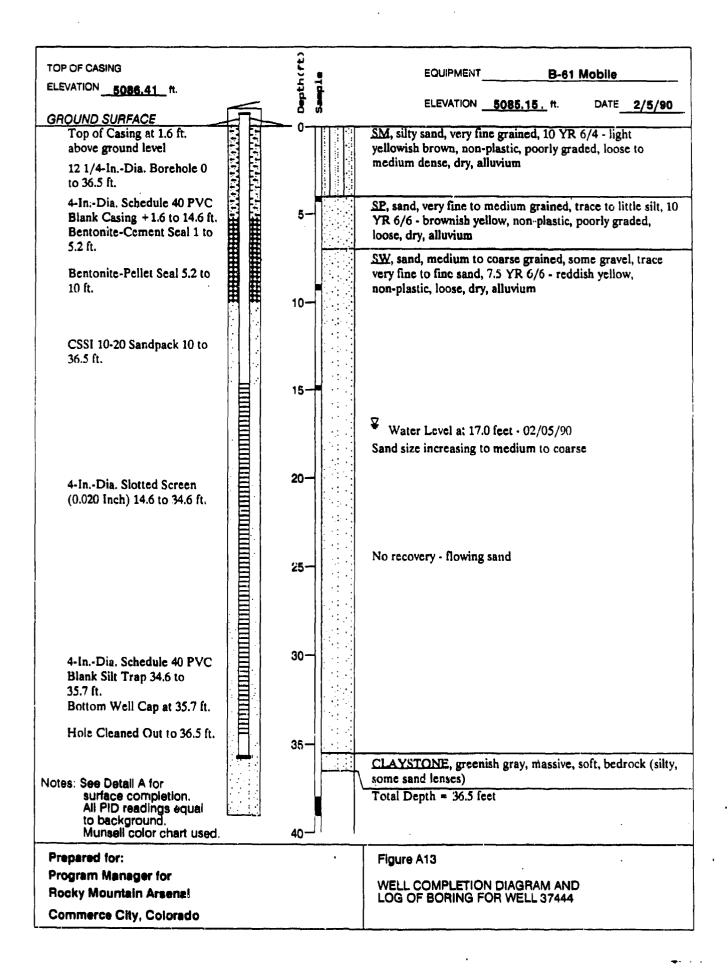


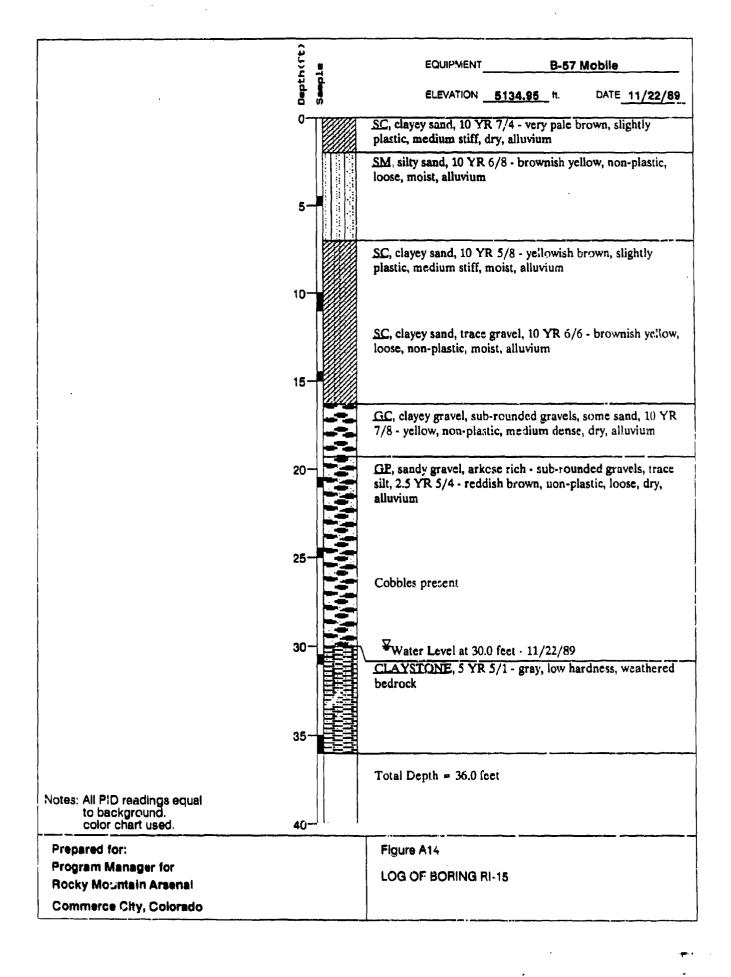
Jepth(ft) TOP OF CASING EQUIPMENT **B-56 Mobile** ELEVATION 5092.95 nt. ELEVATION . 5093.63 ft. DATE 1/8/90 **GROUND SURFACE** Top of Casing at ground ML, sandy silt, 20% fine grained sand, 10 YR 5/4 -level yellowish brown, non-plastic, medium dense, moist, alluvium 12 1/4-In.-Dia, Borehole 0 to 39.2 ft. ML, clayey silt, 5% clay, trace sand, 10 YR 4/6 - dark yellowish brown, slightly plastic, medium stiff, moist, 5-4-In.-Dia, Schedule 40 PVC Increasing moisture to wet Blank Casing 0 to 18 ft. Bentonite-Cement Seal 2.5 to 8.5 ft. Increasing sand content to 10% 10-Bentonite-Pellet Seal 8.5 to 13.5 ft. SC, clayey sand, fine grained, 10 YR 5/4 - yellowish brown, slightly plastic, medium stiff, wet, alluvium Calcite inclusions, quartz pebbles, 1/2" sand(coarse CSSI 10-20 Sandpack 13.5 to grained) lense at 13.7 feet 39.2 ft. SW, sand, 1/4" rounded quartz, feldspar gravel, 10 YR 6/6 - brownish yellow, non-plastic, loose, moist, alluvium Moisture increases to wet at 17.5 feet Moisture increases to saturated, gravel to 1 1/2 - 2 inch diameter 20-4-In.-Dia. Slotted Screen Water level at 21.5 feet - 01/08/90 (0.020 Inch) 18 to 38 ft. No recovery - flowing sand ₽ 25 Increase fine grained sand 30% Increasing fine grained sand 40% 30-SP, sand, no gravel, very fine to fine grained, 10 YR 5/4 -4-In.-Dia, Schedule 40 PVC yellowish brown, non-plastic, loose, saturated, alluvium Blank Silt Trap 38 to 39.2 ft. Bottom Well Cap at 39.2 ft. 35-Hole Cleaned Out to 39.2 ft. Iron staining on weathered surfaces Notes: See Detail B for CLAYSTONE, dark gray, bedrock surface completion. All PID readings equal to background. Total Depth = 39.0 feet Munsell color chart used. 40 Prepared for: Figure A10 Program Manager for WELL COMPLETION DIAGRAM AND Rocky Mountain Arsenal LOG OF BORING FOR WELL 37440 Commerce City, Colorado

TOP OF CASING	J' Depth(ft) Sample	EQUIPMENT B-61 Mobile
ELEVATION 5074.85 tt.	J. Ompthi Sempli	
GROUND SURFACE		ELEVATION
Top of Cosing at 1.6 ft	0-1111	ML, clayey silt, trace to little very fine to fine sand with organics, 5 YR 3/4 - dark red brown, slightly plastic, soft,
12 1/4-InDia. Borehole 0		dry, alluvium
to 34.7 ft.		Sand size changes to medium
1	5	SM, silty sand, very fine to fine grained, 5 YR 5/8 - yellowish red, non-plastic, loose, dry, alluvium
4-InDia. Schedule 40 PVC Blank Casing +1.6 to 16 ft.		
above ground level 12 1/4-In,-Dia. Borehole 0 to 34.7 ft. 4-In,-Dia. Schedule 40 PVC Blank Casing +1.6 to 16 ft. Bentonite-Cement Seal 1.2 to 6 ft. Bentonite-Pellet Seal 6 to	10-1	
Bentonite-Pellet Seal 6 to 11 ft.		ML, clayey silt, little sand, 5 YR 6/1 - light gray with rusty mottling, slightly plastic, medium stiff, moist, alievium
CSSI 10-20 Sandpack 11 to 34.7 ft.	15-	Becoming stratified
		Color changes to 10 YR 3/6 - dark yellowish brown, moisture increases to wet
		∀ Water level at 18.0 feet - 02/02/90
4-InDia. Slotted Screen(0.020 Inch) 16 to 33 ft.	20-	SW, gravelly sand, fine to coarse grained, 10 YR 5/6 - light olive brown, non-plastic, loose, saturated, alluvium
	25	No recovery - flowing sand
4-InDia. Slotted Screen(0.020 Inch) 16 to 33 ft.		
1	30	
4-InDia, Schedule 40 PVC Blank Silt Trap 33 to 34 ft.		
Bottom Well Cap at 34 ft.		GRAY SHALE, with sandstone siltstone stringers, hard, massive, weak, bedrock
Hole Cleaned Out to 34.7 ft.	35-	Total Depth = 34.7 feet
Notes: See Detail A for surface completion. All PID readings equal to background. Munsell color chart used.	40	rotar Doptii = 54.7 feet
Prepared for:		Figure A11
Program Munager for Rocky Mountain Arsenal		WELL COMPLETION DIAGRAM AND LOG OF BORING FOR WELL 37442
Commerce City, Colorado		TO SECURITY OF THE OF THE

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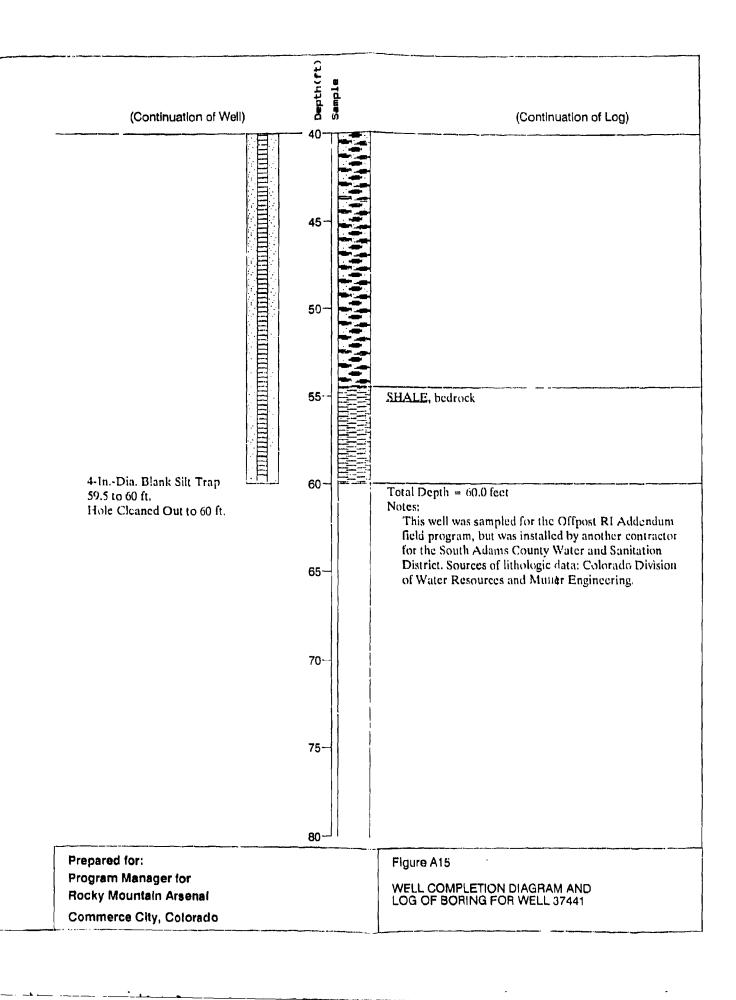






TOP OF CASING		(ft)	EQUIPMENT Standard Rotary
ELEVATION 5127.14 ft.		Depth(ft) Sample	ELEVATION 5127.56 H. DATE 10/19/89
GROUND SURFACE Top of Casing at ground	a a	0-1	TOPSOIL
level			
8-InDia. Borchole 0 to 60 ft.			CL, sandy clay, buff, moist, alluvium
		5-	
4-InDia. Schedule 40 PVC			
Blank Casing 0 to 30 ft.			
		17-	
Bentonite-Cement Scal 0 to			CL, silty clay, buff to brown, moist, alluvium
20 ft.			
		15-	
		20-	
Bentonite-Pellet Seal 20 to	18211112111111111111111111111111111111		
25 ft.			
		25-	
		20	
CSSI 8-12 3andpack 25 to			·
60 ft.			
		30	Moisture increases to wet
4-In. Dia, PVC Slotted			¥ Water level reading at 33.0 feet - 11/1/89
Screen (0.020 Inch' 29.5 to 59.5 ft.		35-	
			GP, cobbly gravel, medium to coarse grained, loose,
		40	saturated, alluvium
	4	40	

Notes: See Detail B for surface completion. All PID readings equal to background Munsell color chart used.

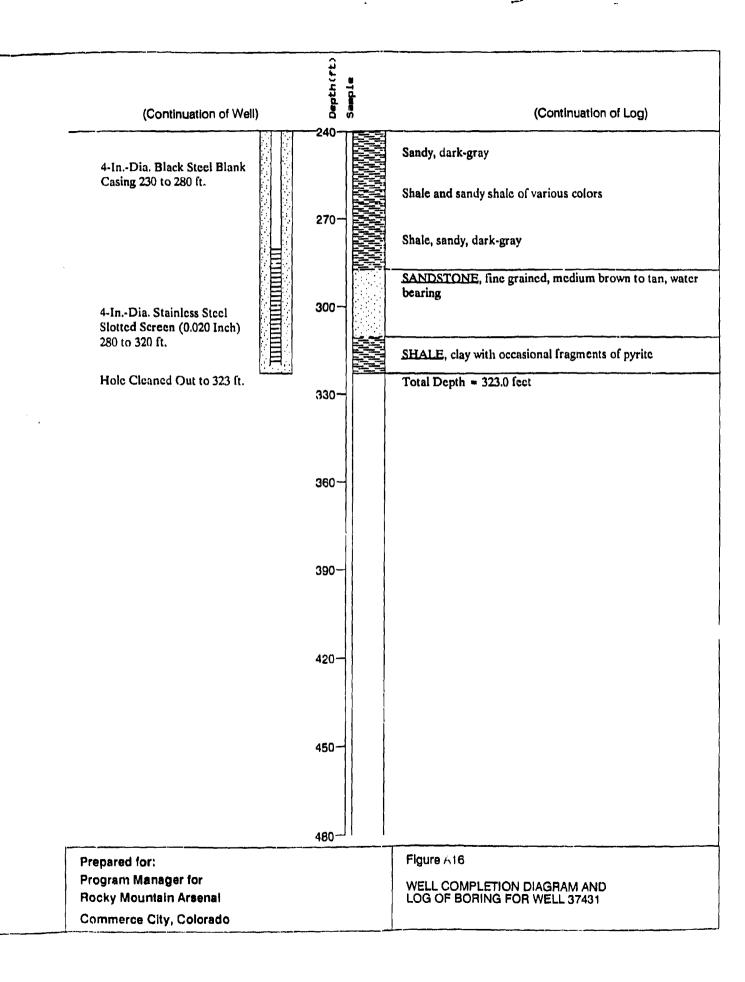


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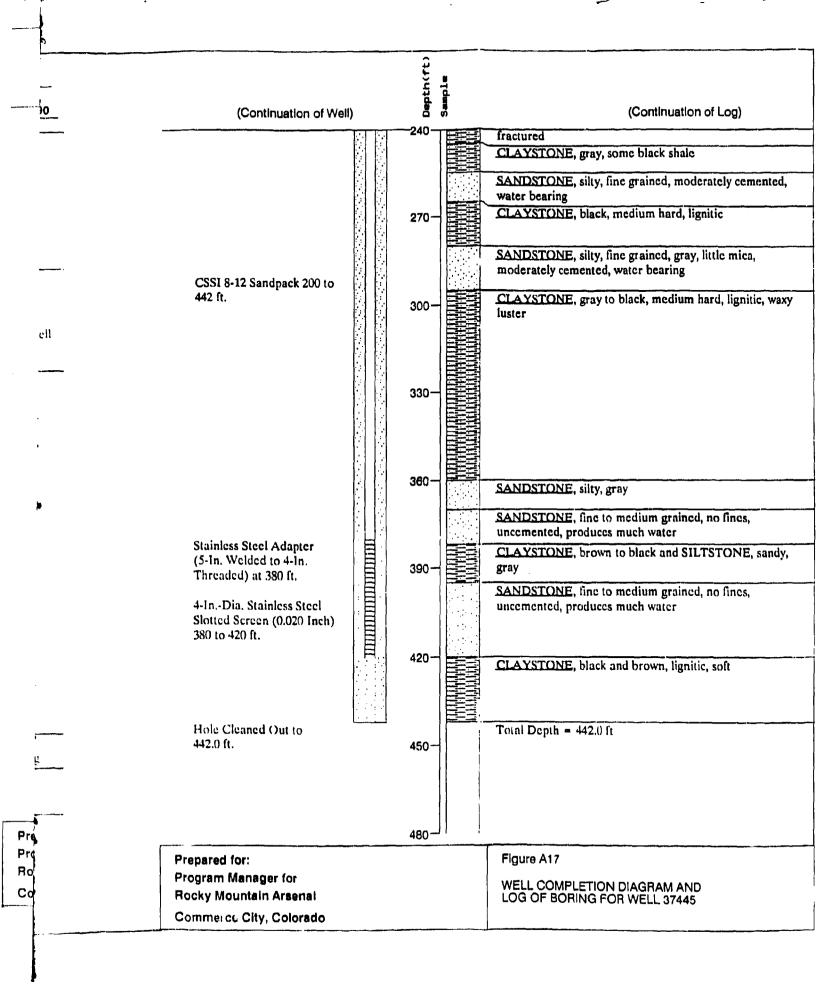
TOP OF CASING	Depth(ft)	EQUIPMENTAir Rotary
ELEVATION 5124.26 H.	pth mpl	
GROUND SURFACE		ELEVATION 5121.9 ft. DATE 9/7/89
Top of Casing above ground	0	SM, silty sand, brown, loose, moist, alluvium
15-InDia. Borcholc 0 to	30-	Increasing clay fraction Lenses of gravels and coarse sands in a silty matrix - brown, alluvium
12-InDia. Black Steel Conductor Casing 0 to 54 ft.		Lenses of gravels and sands in a silty matrix - brown, alluvium
11-7/8-InDia. Borchole 54 to 130 ft.		SP, coarse grained sub-rounded sand and gravel, alluvium CLAYSTONE, silty, dark yellow-brown, bedrock
8-InDia. Black Steel Conductor Casing 0 to 130 ft.	60-	SHALE, blue, occasional lignite fragments and subangular sand Shale and sands interbedded
7-7/8-InDia. Borchole 130 to 323 ft.		Dark gray shale with some subangular coarse grained quartzitic sand
Top of Casing above ground level 15-InDia. Borchole 0 to 54 ft. 12-InDia. Black Steel Conductor Casing 0 to 54 ft. 11-7/8-InDia. Borchole 54 to 130 ft. 8-InDia. Black Steel Conductor Casing 0 to 130 ft. 7-7/8-InDia. Borchole 130 to 323 ft. 4-InDia. Black Steel Blank Casing 0 to 210 ft. Bentonite-Cement Scal 0 to 160 ft.	90-	Decreasing sand fraction Cuttings show dark gray shales and yellow-brown clays and claystone to siltstone Shale fraction decreasing - medium gray clay
	120-	Clay with occasional shale lenses Clay, blue-gray
Bentonite-Cement Scal 0 to		₩ater level reading at 134.0 feet - 9/12/89
	150~	SHALE, very sandy shale, dark gray, fissile Very sandy shale
Bentonite-Pellet Seal 160 to		SANDSTONE, sand, very fine grained, light brown, water bearing SHALE, dark-gray-black, some clay lenses
CSSI 10-20 Sandpack 171 to 323 ft.	180	Dark-gray, fissile, abundant fossil material
4-InDia, Black Steel Blank Casing 0 to 210 lt.		Some sandy lenses
	210-	Abundant plant fossils with some minor sands
4-InDia. Stainless Steel Slotted Screen (0.020 Inch) 210 to 230 ft.		SANDSTONE, fine grained, uncomented, quartzitic, water bearing
	240	SHALE
Notes: See Detail A for surface completion. All PID readings equal to background. Munsell color chart used		

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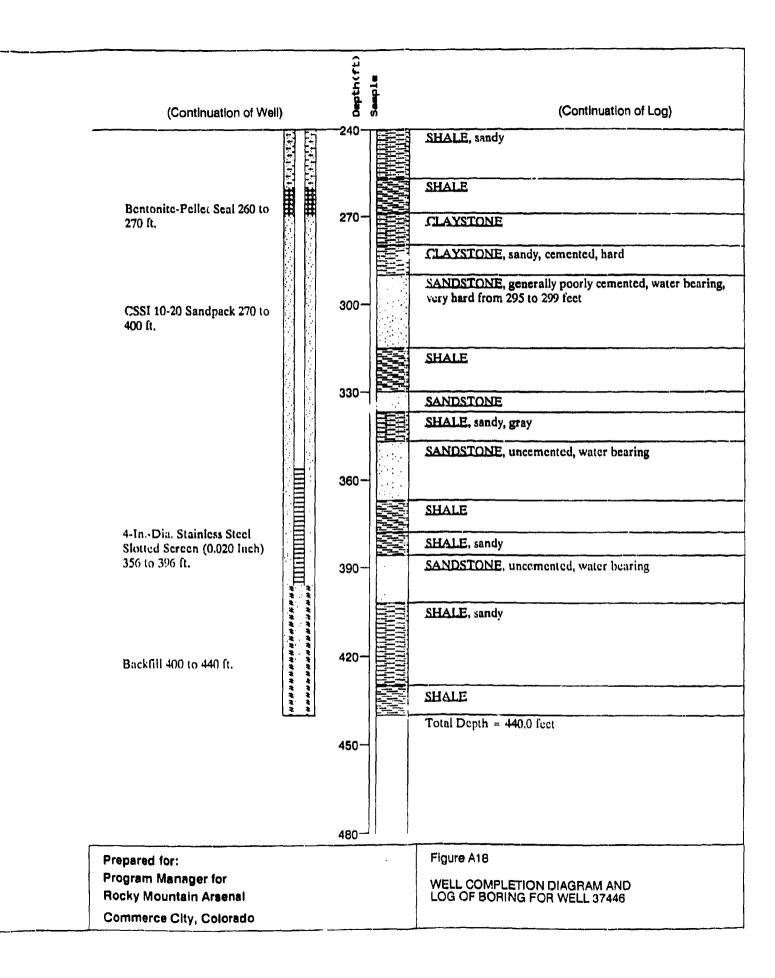


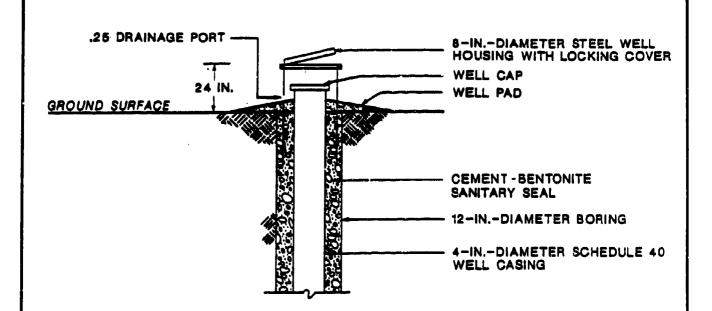
TOP OF CASING	(ft)	EQUIPMENT Air and Mud Rotary
ELEVATION N/A ft.]} Depth(ft) Sample	ELEVATION N/A H. DATE 8/24/90
GROUND SURFACE Top of Casing above ground	0 100	
l launt 🚉		SM, silty sand, fine to coarse grained, some gravel, light brown, non-plastic, loose, moist, alluvium
	30	
15-1/4-InDia. Borchole 0 to 76 ft.	30-	
12-InDia, Black Steel Conductor Casing 0 to 76 ft.		Increase in silt content
Centuctor Crang vito roll.		CLAYSTONE, blue-gray, massive, soft, bedrock
11-7/8-InDia, Borcholc 76 to 188 ft.		The same of the sa
8-InDia, Black Steel	60-	
Conductor Casing 0 to 188 ft.		Thin stringer of sandstone, fine grained, yellow-brown, well cemented
7-7/8-InDia. Borchole 188 to 442 ft.		cemented
E	90-	CLAYSTONE, blue to gray, occasionally sandy, fissile, blocky, closely fractured, well indurated
		blocky, closely fractured, well indurated
4-InDia, Welded Black		
Steel Blank Casing () to.		
	120-	
		Becomes soft
111		
Bentonite-Cement Scal 0 to	150-	
130.6 ft. 클		
		∇
	180	Water level reading at 179.0 feet - 8/28/90
Bentonite-Pellet Seal 180.6		
to 200 ft.		
	210-	SANDSTONE, silty, gray, fine to medium grained,
		moderately cemented with chert interbeds, water bearing SILTSTONE, sandy, gray, trace black cherty shale
		meanityme, sandy, gray, trace black enerty shale
		CLAYSTONE, black, platy, siliceous, moderately
[3]	240	indicately, order, placy, sinceres, moderately
Matain One B. will have a		
Notes: See Detail A for surface completion.		
All PID readings equal to background.		
Munsell color chart used.		



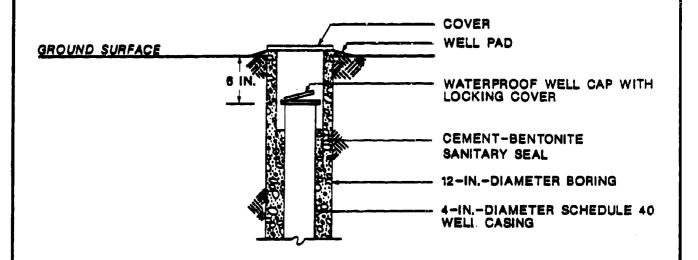
TOP OF CASING	J(Depth(ft) Sample	EQUIPMENT Air and Mud Rotary
ELEVATION N/A tt.	J\ Depth	ELEVATION N/A ft. DATE 10/8/90
GROUND SURFACE	3 vi	
Top of Casing above ground level		SM, silty sand, brown, loose, moist, alluvium
		Becomes coarser with depth, grades to
		SP, gravelly sand, very coarse grained, loose, saturated,
15-InDia. Borchole 0 to	3	alluvium
38 ft. [基]	30-	SANDSTONE, very coarse, hard, cemented, bedrock
Top of Casing above ground level 15-InDia. Borchole 0 to 38 ft. 12-InDia. Black Steel Conductor Casing 0 to 36 ft. 11-7/8-InDia. Borchole 38 to 255 ft. 8-InDia. Black Steel Conductor Casing 0 to 253 ft. 7-7/8-InDia. Borchole 255 to 440 ft.	30-	CLAYSTONE, gray
44 5 /0 to Die Dembele 29		SANDSTONE, medium to coarse grained, very arkosic,
11-7/8-InDia. Borchole 38 to 255 ft.		some clay
8-InDia. Black Steel	60-	SHALE AND CLAYSTONE
Conductor Casing 0 to 253 ft.		
7-7/8-In.∗Dia. Borchole 255		
to 440 ft.		
[5]	90	
4-InDia, Black Steel Blank		
Casing 0 to 356 ft.		
를 (
<u> </u>	120-	
ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ ㅋ		
	150-	
<u>-</u>		•
[3]		
260 ft.	180-	-
		₩ater level reading at 188.0 feet - 10/9/90
		SANDSTONE, poorly cemented
		CLAYSTONE, sandy
	210-	,
260 ft.		
	240	
Notes: See Detail A for surface completion.		
All PID readings equal to background.		
Munsell color chart used		

...





DETAIL A: ABOVEGROUND COMPLETION



DETAIL B: SUBSURFACE COMPLETION

Prepared for:
Program Manager for
Rocky Mountain Arsenal
Commerce City, Colorado

Figure A19

MONITORING WELL SURFACE COMPLETION DETAILS

·	MAJOR DIV	'ISIONS			TYPICAL NAMES
		CLEAN GRAVELS WITH	gw		WELL GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES
S"	GRAVELS	LITTLE OR NO PINES	GP		POORLY GRAPED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES
COARSE -GRAINED SOILS MORE THAPTHALF IS COARSED THAPTHAL 200 SIEVE	More than Half Coarse Fraction Is Larger than No 4 Sieve Size	GRAVELS WITH OVER	GM		SILTY GRAVELS, SILTY GRAVELS WITH SAND
VINE IF IS C 200 SIE		12% FINES	GC	Marie Contraction	CLAYEY GRAVELS, CLAYEY GRAVELS WITH SAND
ATTION TO THE	ALCO SERVICES	CLEAN SANDS WITH	sw		WELL GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES
ARE THE	SANDS	LITTLE OR NO FINES	SP		POORLY GRADED SAN JS WITH OR WITHOUT GRAVEL, LITTLE OP NO FINES
CO S		SANDS WITH OVER	SM		SILTY SANDS WITH OR WITHOUT GRAVEL
		12% FINES	sc		CLAYEY SANDS WITH OR WITHOUT GRAVEL
s.	SILTS AND CLAYS LIQUID LIMIT 50% OR LESS OF CHAIN OF OF CHA		ML		INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTS WITH JANDS AND GRAVELS
SOIL			C-		INORGANIC CLAYSOF LOW TO MEDIUM PLASTICITY, CLAYS WITH SANDS AND GRAVELS, LEAN CLAYS
NED NI C			OL		ORGANIC SILTS OF CLAYS OF LOW PLASTICITY
1281 11411			MH		INDRGANIC SILTS, MICACEOUS OF DIATOMACIOUS, FINE SANDY OR SILTY SOILS, ELASTIC SILTS
ANA ANA ANA ANA ANA ANA ANA ANA ANA ANA			СН		INORGANIC CLAYS OF MIGH PLASTICITY, FAT CLAYS
			ОН		ORGANIC SILTS OF STAYS OF MEDIUM TO HIST FLASTICITY
	HIGHLY ORGA	NIC SOILS	Pt	342 342	PEAT AND CTHER HIGHLY ORGANIC SOILS

Prepared for:
Program Manager for
Rocky Mountain Arsenal
Commerce City, Colorado

Figure A20
UNIFIED SOIL CLASSIFICATION SYSTEM
AND SYMBOLS

Appendix B
GROUNDWATER ANALYTICAL DATA

LIST OF TABLES

Table No.	
B1	Groundwater Investigative Analytical Data
B2	Groundwater GC/MS Analytical Data
В3	Groundwater QA/QC Analytical Data
B4	Groundwater Duplicate Analytical Data
B5	Investigative Analytical Data for Domestic Well Samples
В6	GC/MS Analytical Data for Domestic Well Samples
B7	QA/QC Analytical Data for Domestic Well Samples
В8	Duplicate Analytical Data for Domestic Well Samples

	37403	02/21/90	
	37403	68/52/60	
;	37402	05/22/20	
	37402	09/27/89	
	Sample 10	Date	

Analytes

tals/Anions/General Chem				
Arsenic	\$	< 2.50	≨	< 2.50
Cadmitum	4	< 5.00	≨	× 5.8
	\$	130000	\$	150000
chtoride .	\$	19000	₹	240000
Chromitum	\$	< 22.0	≦	< 22.0
	\$	< 10.0	¥	< 10.0
Cvanide	1	6.8 ×	¥	8.8 ×
Flioride	1	× 1000	ī	× 1000
	\$	198	1	39.9
peal	S	< 52.0	\$	< 52.0
	₹	43000	≨	51000
	\$	2630	≨	v 20.0
	4	< 0.500	≦	< 0.500
Wirite, Mitrate Mon-Specific	1	220	¥	2200
Potassium	*	\$	≨	≦
19	≦	180000	≨	230000
Sulfate	¥	36000	≨	\$10000
Cotton Octobro	YM	00.4	\$	8.8

Hotes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

4

Sample 10	37402	37402	37403	37403
Date	09/27/89	05/25/50	09/25/89	02/21/90
Analytes				
Metals/Anions/General Chem				
Total Suspended Solids	¥	9.00	≨	0.88
21nc	YI	23.3	¥	< 20.0
Phenols				
2,3,6-Trichlorophenol (GCMS)	4 1.70	4 1.70	6.1.3	¢ 1.8
2,4,5-Trichlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2,4,6-Trichlorophenol (GCMS)	< 3.60	< 3.60	× 3.60	× 3.60
2,4-Dichlorophenol (GCMS)	9.40	< 8.40	× 8.40	6.4 0
2,4-Dimethylphenol (GCMS)	07.7 >	07.7 >	07.7 >	07.7 >
2,4-Dinitrophenol (GCMS)	¥ 176	4 176	4 176	4 176
2-Chiorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2-Nethylphenol (GCMS)	× 3.60	× 3.60	× 3.60	3.60
2-Nitrophenol (GCMS)	< 8.20	< 8.20	◆ 8.20	8.8
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	< 8.50	A 8.50
4-Hethylphenol (GCMS)	< 2.80	< 2.80	< 2.50	< 2.80
4-Nitrophenol (GCMS)	° %°0	< 96.0	< %·0	0.96.0
Phenot (GCMS)	< 2.20	< 2.20	< 2.20	< 2.20
Semivolatiles				
1,4-0xathiane	< 2.38	M	< 2.38	¥
1,4-0xathiane (GCMS)	< 27.0	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI)	¥	< 0.0590	KA	< 0.0590

Reported values are accurate to three significant figures.

R -- Data did not meet quality control criteria and were

and QA/7 ced . cal

< -- indicates that the target analyte was not detected at

above the Maximum Reporting Limit. NA -- Not Analyzed. > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.

A -- Data considered anomalous based on evaluation of rejected.

Table 81 Groundwater Investigative Analytical Data

Sample 10 Date	37402 09/27,89	37402 02/22/90	37403 09/25/89	3740 3 02/21/90
Analytes				
Semivolatiles 2 2-8 is (parachlorophenyl)-1.1-1-Trichloroethane (001) (GCMS)	× 18.0	. 18.0	(C &C . V	e •
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE)	¥	< 0.0460	N.	0,0460
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	KN	< 5.69	¥¥
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	< 7.46	N	< 7.46	Š
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide	< 11.5	NA NA	< 11.5	K
4-Chlorophenylmethyl Suifoxide (GCMS)	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	¥	œ	4	œ
Aldrin (GONS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	< 4.03	KN	< 4.03	NA NA
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	< 5.90
Benzothiazole	< 5.00	NA NA	< 5.00	¥¥
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	¥.	< 5.90	V
Bis (2-Ethylhexyl) Phthalate (GCMS)	K	< 7.70	¥	< 7.70
Caprolactem (GCMS)	KA	< 7.70	XX	< 7.70
Chlordane	Y.	< 0.152	KA	< 0.152

< -- indicates that the target analyte was not detected at or above the Certified Reporting .imit.

> -- indicates that the carget analyte was detected at or above the Maximum Reporting Limit. NA -- Not Analyzed. R -- Data did not meet quality control criteria and were

rejected.
A -- Data considered anomalous based on evaluation of historical data and field 0A/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample 1D Date	32405 37402	37402 02/22/90	37403 09/25/89	37403 02/21/90
Analytes				
Semivolatiles				
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Dicyclopentadiene	< 5.00	¥	< 5.00	M
Dicyclopentadiene (GCMS)	< 5.50	< 5.50	< 5.50	< 5.50
Dieldrin	KA	< 0.0539	YN.	< 0.0539
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0	< 26.0
Difsopropyl Methylphosphonate	27.4	¥.	21.4	¥
Diisopropyl Methylphosphonate (GCMS)	19.8	21.7	< 21.0	< 21.0
Dimethylmethyl Phosphonate	< 0.188	¥¥	< 0.188	¥
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130	< 130
Dithiane	< 1.34	Y	< 1.34	¥H
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30	< 5.30
Endrin	¥¥	0090.0 >	¥	0.0600
Endrin (GCNS)	< 18.0	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene	< 0.0480	~	< 0.0480	œ
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	< 54.0	< 54.0
Isodrin	K	< 0.0560	YX	< 0.0560
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80	< 7.80
Malathion	< 0.373	KA	< 0.373	MA

Reported values are accurate to three significant figures.

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⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

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r - Data did not meet quality control criteria and wer rejected.

A -- Data considered anomalous based on evaluation of

his al and 6 3A/or edur

Table B1 Groundwater Investigative Analytical Data

Sample ID Date	37402 09/27/89	37402 02/22/90	37403 09/25/89	37403 02/21/90
Analytes				
Semivolatiles Leiebiog (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	K	< 0.647	KA
Parathion (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
pentachiorophenol (GCMS)	< 9.10	< 9.10	< 9.10	< 9.10
auochs	< 0.787	4	< 0.787	Y.
(SRUI) accord	< 19.0	< 19.0	< 19.0	< 19.0
Notice (Constitution of the Constitution of th	< 0.384	KX	< 0.384	¥x
Vapona (GCNS)	< 8.50	8.5 0	< 8.50	× 8,50
Volatiles				
1.1.1-Trichloroethane	Y.	< 1.09	¥X ·	× 1.09
1 1 1-Trichlorethane (GCMS)	¥	< 1.00	YX	× 1.00
1 1 2-Trichlocoethane	XX	< 1.63	KX KA	< 1.63
1 1 2 Trichloroethane (GCMS)	M	< 1.00	¥	× 1.00
1,1-Dichloroethane	KA	< 1.93	4	< 1.93
(CMCC) and the Act of the Control of	¥	< 1.00	VX	< 1.00
	¥	< 1.85	YN.	< 1.85
1 1. Dicherhere (GCES)	¥2	< 1.00	YN	· 1.00
1 2-Dicklocoethane	¥	< 2.07	¥	< 2.07
1.2-Dichloroethane (GCMS)	¥ X	<-1.00	NA	< 1.00

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

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rejected.
A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table 81 Groundwater Investigative Analytical Data

Sample 10	37402	37402	\$U7Z\$	10/11
Date	09/12/89	05/25/90	09/22/89	02/21/90
Analytes				
Volatiles	•			
1,2-Dichloroethenes (cis & trans)	¥	< 1.75	¥	, K
1,2-Dichloroethenes (cis & trans) (GCMS)	YN	< 5.00	X	
Benzene	YH.	2.77 A	¥	8.04 A
Benzene (GCHS)	YN	1.40 A	¥.	3.72
Carbon Tetrachloride	¥ X	< 1.69	Y.	2.35 A
Carbon Tetrachloride (GCMS)	X	· 1.00	×	1.47
Chlorobenzene	YH.	32.9 A	¥	63.1 A
Chlorobenzene (GCMS)	M	28.8 A	NA.	53.8 A
Chlorotorm	¥N	32.2 A	N	100 A
Chloroform (GCMS)	¥X	31.0 A	YN	120 A
Dibromochloropropane	967.0	ž	0,344.	42
Dibromochloropane (GCMS)	< 12.0	< 12.0	< 12.0	< 12.0
Dimethyl Disulfide	< 0.550	Y#	< 0.550	¥
Ethyl Benzene	¥	< 0.620	Y.	< 0.620
Ethyl Benzene (GCMS)	Y.	< 1.00	×	< 1.00
M-Xylene	4	70	1	ò
M-Xylene (GCMS)	.		£ :	5 .
Methylene Chloride	£ :	00.1	¥x	
	YA.	< 2.48	¥N	< 2.48

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

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rejected. A ·· Data considered anomalous based on evaluation of

Table B1 Groundwater Investigative Analytical Data

	37402	37402	37403	37403	
Sample 10	09/27/89	05/25/90	09/25/89	02/21/90	
Analytes					
Volatiles	¥¥	· 1.00	¥	4 1.00	
Methylene Chloride (GCMS)	06.4 >	¥¥	o6.4 >	¥¥	
Hethylisobutyl Ketone	*	< 1.40	¥N	< 1.40	
Methylisobutyl Ketone (GCMS)	: :	×1.34	¥.	× 1.34	
O,P-Xylene (GDMS)	*	< 2.00	¥ n	< 2.00	
	¥	< 2.76	¥	< 2.76	
Tetrachloroethene	K H	· 1.00	K	· 1.00	
Tetrach(oroethene (GCMS)	*	< 2.10	¥ _R	< 2.10 A	
Toluene	*	× 1.00	YH.	1.10 A	
Toluene (GCMS)	1	< 1.31	K	2.04 A	
Trichloroethene	§				
	¥	× 1.00	KA	1.20 A	
Trichloroethene (GCMS)	* 2	- 4	¥	¥	
vinyi Chloride	E :		42	< 12.0	
Vinyl Chloride (GCMS)	S	٠ ١٤٠٠	Ç) 	

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

- ... indicates that the target analyte was not detected at or above the Certified Reporting Limit.
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 - rejected.
 A -- Data considered anomalous based on evaluation of historical data and field OA/OC procedures.

Sample 10	37404	37404	37405	37405
Date	09/26/89	05/25/50	09/26/89	02/21/90
Analytes				
Hetals/Anions/General Chem				
Arsenic	KN	< 2.50	¥	2.73
Codnium	¥	< 5.00	¥	< 5.00
Catcium	¥	160000	¥	100001
Chloride	*	230000	¥	120000
Chronium	\$	< 22.0	\$	< 22.0
Copper	X	< 10.0	ş	< 10.0
Cyanide	≨	6.90	¥	< 3.90
fluoride	NA.	1000	¥	• 1000
Iron	ş	9.87	¥	43.1
peat	\$	< 52.0	\$	< 52.0
Magnesium	4	43000	¥	16000
Kanganese	Š	< 20.0	¥	< 20.0
Mercury	≦	< 0.500	¥	< 0.500
Nitrite, Mitrate Non-Specific	\$	4300	¥	2400
Potassium	\$	4	4	K X
Sodium	3	210000	Š	95000
Sulfate	K	240000	¥	160000
Total Organic Carbon	¥x	5.00	NA NA	3.00

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Notes: Values are reported in micrograms per liter.
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above the Maximum Reporting Limit. NA -- Not Analyzed. R -- Data did not meet quality control criteria and were

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Table 81 Groundwater Investigative Analytical Data

Sample 1D Date	3340¢ \$04/986	37404 02/22/90	37405 09/26/89	37405 02/21/90	
Analytes					
Merals/Anions/General Chem	:				
Total Suspended Solids	¥3.	23.0	¥	10.0	
Zinc	Y.	< 20.0	¥	< 20.0	
Phenols	٠				
2,3,6-Trichlorophenol (CCMS)	6.1.70	61.7	s.t.	6.1.70	
2,4,5.Trichlarophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80	
2,4,6-Trichlorophenol (GCMS)	c 3.6 3	< 3.60	4 3.60	. 3.60	
2,4-Dichlorophenol (GCMS)	c 8.40	< 8.40	× 8.40	× 8.40	
2,4-Dimethylphenol (GCMS)	07.7 >	07.4 .	05.5 >	07.7 >	
2,4-Dinitrophenol (GCMS)	× 176	s 176	4 176	> 176	
2-Chlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80	
2-Methylphenol (GCMS)	× 3.60	4 3.60	× 3.60	× 3.60	
2-Witrophenol (GCK3)	8.2 0	8.20	< 8.20	< 8.20	
3-Methyl-4-Chlorophenol (GCHS)	< 8.50	< 8.50	< 6.50	◆ 8.50	
4-Methylphenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80	
4-Nitrophenol (GCMS)	· %.0	· %·0	0.%	· 96.0	
Phenol (GCMS)	< 2.20	< 2.20	< 2.20	< 2.20	
Semivolatiles	;	:	;		
1,4-Oxathiane	< 2.38	¥	< 2.38	¥ .	
1,4-Oxathiane (GCMS)	< 27.0	< 27.0	< 27.0	< 27.0	
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI)	¥x	< 0.0590	¥X	< 0.0590	

- < -- indicates that the target analyte was not detected at
 - . or above the Certified Reporting Limit.
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- A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Sample 10 Date	37404	37404	37405	37405
Analytes				4/17/30
Semivolatites				
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) (GCMS)	< 18.0	× 18.0	< 18.0 <	, .
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE)	¥	0.0460	*	0.0460
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	< 14.0
4-Chlorophenylmethyl Sulfide	< 5.69	\$	< 5.69	*
4-Chlorophenyimethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	× 10.0
4-Chidrophenyimethyl Sulfone	< 7.46	¥	\$7.7 ×	3
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	× 5.30
4-ChloropharyInethyl Sulfoxide	< 11.5	¥	< 11.5	3
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	¥	~	¥	~
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazira	< 4.03	¥.	< 4.03	*
Atrazine (GCMS)	< 5.90	6 5.80	× 5.80	× 5.90
Benzoth i azol e	6 5.00	¥	< 5.00	≨
Bicyclo (2,2,1) hepta-2,5-diene	< 5.90	YN.	· 5.90	¥
Bis (2-Ethylhexyl) Phthalate (GCMS)	¥	¢ 7.70	¥	67.7
Caprolactem (GCMS)	¥	< 7.70	¥	× 7.70
Chlordane	¥	< 0.152	¥	< 0.152

Reported values are accurate to three significant figures.

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Indicates that the target analyte was not detected at or above the Certified Reporting Limit.

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rejected. A \cdots Data considered anomalous based on evaluation of

Table B1 Groundwater Investigative Analytical Data

Sample ID	37404	37404	37405	37405
Date	09/56/89	05/25/60	09/56/89	02/21/90
Analytes				
Semivolatiles				
Chlordane (GCHS)	< 37.0	< 37.0	< 37.0	< 37.0
Dicyclopentadiene	2.00	YN.	< 5.00	¥
Dicyclopentadiene (GCMS)	< 5.50	< 5.50	< 5.50	< 5.50
Dieldrin	KA	< 0.0539	NA	< 0.0539
Dieldrin (GCHS)	< 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate	29.3	V	< 0.392	¥
Diisopropyl Methylphosphonate (GCMS)	< 21.0	21.7	< 21.0	< 21.0
Dimethylmethyl Phosphonate	< 0.188	X	< 0.188	Y.
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130	< 130
Dithlane	< 1.34	¥	< 1.34	¥
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30	< 3.30
Endrin	¥¥	0.0600	XX	< 0.0600
Endrin (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0
Kexachlorocyclopentadiene	< 0.0480	~	96.00	œ
Hexachlorocyclopentadiene (GCMS)	0°75 >	< 54.0	< 54.0	< 54.0
Isodrin	¥	< 0.0560	V.	< 0.0560
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80	< 7.80
Malathion	< 0.373	K,	< 0.373	¥

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 - or above the tertified Reporting Limit.
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 - rejected.
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	37405	02/21/90
rical Data	37405	09/56/89
investigative Analyi	37404	05/25/20
iaure bi Grandwater investigative Analytical Dota	37404	09/26/89
	Sample 1D	Date

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ASA

Semivolatiles					
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0	
Parathion	× 0.647	Y.	. < 0.647	¥	
Parathion (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0	
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10	< 9.10	
Support	< 0.787	¥N	< 0.787	HA	
Supona (GCHS)	< 19.0	< 19.0	< 19.0	< 19.0	
Vapona	< 0.384	KA	< 0.384	*	
Vapona (GCMS)	< 8.50	< 8.50	< 8.50	< 8.50 ·	
Volatiles					
1,1,1-Trichloroethane	Y.	< 1.09	¥	× 1.09	
1,1,1-Trichloroethane (GCMS)	NA	< 10.0	*	× 1,00	
1,1,2-Trichloroethane	¥	< 1.63	¥ X	< 1.63	
1,1,2-Trichloroethane (GCMS)	YH.	< 10.0	¥	× 1.00	
1,1-Dichloroethane	W.	< 1.93	, NA	< 1.93	
1,1-Dichloroethane (GCMS)	KA	< 10.0	*	× 1.00	
1,1-Dichloroethene	NA	< 1.85	¥.	< 1.85	•
1,1-Dichloroethene (GCHS)	¥	< 10.0	¥N	· • 1.00	
1,2-Dichloroethane	¥¥.	< 2.07	K	< 2.07	
1,2-Dichloroethane (GCMS)	Y Y	< 10.0	HA	< 1.00	

Reported values are accurate to three significant figures.

R -- Data did not meet quality control criteria and were

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. NA -- Not Analyzed.

rejected. A -- Data considered anomalous based on evaluation of

h : :al ind '' : as on evaluations tasked on

Sample 10	37404	37404	37405	37405
Date	09/56/89	05/25/60	09/26/89	02/21/90
Analytes				
Volatiles				
1,2-Dichtoroethenes (cis & trans)	\$	×1.3	YN	K.1.
1,2-Dichloroethenes (cis & trans) (GCMS)	MA	< 50.0	* *	× 5.00
Benzene	¥#	27.0 A	4	A 09.6 >
Benzene (GCMS)	NA NA	12.4 A	¥#	4.% A
Carbon Tetrachloride	*	2.71	YN .	< 1.69
Carbon Tetrachloride (GCMS)	¥	< 10.0	¥	4.0
Chlorobenzene	\$	120 A	¥	92.0 A
Chlorobenzena (GCMS)	\$	91.3 A	*	65.4 A
Chloroform	SH.	4 077	¥#	150 A
Chloroform (GCMS)	¥	V 099	¥	140 A
Dibromochloropropene	0.415	₹	0.227	3
Dibromochioropropene (GCMS)	< 12.0	< 12.0	< 12.0	< 12.0
Dimethyl Disulfide	< 0.550	*	< 0.550	¥
Ethyl Benzene	¥	< 0.620	Y#	0.620
Ethyl Benzene (GCMS)	X	< 10.0	*	4 1.00
M-Xylene	\$	41.6	¥	× 1.04
M-Xylene (GCMS)	KY	< 10.0	YH	4 1.80
Methylene Chloride	Y	< 2.48	¥	4.2.4A

Reported values are accurate to three algnificant flgures.

A -- Data considered anomalous based on evaluation of historical data and field 0A/00 procedures.

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- Indicates that the target analyte was detected at or above the Maximum Reporting Limit. NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Sample 1D	37404	7U721	30,77		
Date	68/92/60	05/25/20	09/92/60	3/405 02/21/90	^ 0
Analytes					
Volatiles					
Methylene Chloride (GCMS)	W.	, ,	•	•	
Hethyl isobutyl' Ketone	8 7 9	2	≦ ;	× 1.90	
Methyl (edite) Feeder (Cite)		§	R.	≨	
Territorial Metoda (como)	≨	< 14.0	¥	4 1.40	
U, P. XVI ene	≦	¥ ,	\$	× 1.34	
O,P-Xylene (GCMS)	*	20.0	1	4 2.00	
Tetrachloroethene	ā	,	;	,	
Tetrachiococheson	\$	9/.7	ş	< 2.76	
	\$	< 10.0	¥	.1.00	
	¥	3.37	¥	< 2.10	<
TO LUCKS)	¥	< 10.0	\$	1.50	<
r ch oroethene	¥	4.36	¥	3.13	<
Trichloroethene (GCH3)	\$, C	4	3	
Vimyl Chloride	1		S :	3	<
	Š	¥ #	≨	ž	
	¥	\$ 120	\$	< 12.0	

Notes: Values are reported in micrograms per liter.
Reported values are accurate to three significant figures.

c - Indicates that the target analyte was not detected at or above the Certified Reporting Limit.

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rejected.
A -- Data considered anomalous based on evaluation of

h : al md OA/

Sample 10	37406	37406	37407	37407
Date	09/56/89	02/21/90	09/56/89	05/12/20
Analytes				
Merals/Anjons/General Chem				
Arsenic	Y.	< 2.50	¥	6.2.50
Cadnium	Y.	* 5.00	\$	\$ 5.00
Calcium	ş	190000	¥	250000
Chioride	¥	220000	¥	370000
Chromium	¥	< 22.0	¥	< 22.0
Copper	¥	× 10.0	\$	· 10.0
Cyanide	≨	· 8.90	¥	× 8.90
Fluoride	¥	928	YN	1160
iron	≨	. Y.X	YN	700
Peal	¥	< 52.0	¥	< 52.0
Magnes fun	\$	\$5000	¥	28000
Manganese	4	< 20.0	K	1250
Mercury	¥	< 0.500	KX	< 0.500
Mitrite, Mitrate Mon-Specific	≨	3800	K	1300000
Potessium	\$	K	¥	VN
Sodium	¥	290000	X	36000
Sulfate	*	920009	××	70000
Total Organic Carbon	Y N	3.00	¥	7.00

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Sample 10 Date	37406 09/26/89	37406 02/21/90	37407 09/26/89	37407 02/21/90
Anslytne				
Metals/Anions/General Chem Total Suspended Solids	¥	0.86	¥	6. 4.00
Zinc	Y.	< 20.0	¥	< 20.0
Phenols				
2,3,6-Trichlorophenol (GCMS)	< 1.70	× 1.70	< 1.70	6.1.2
2,4,5-Trichlorophenol (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2.4.6-Trichtorophenol (GCMS)	< 3.60	< 3.60	< 3.60	× 3.60
2,4-Dichlorophenol (GCMS)	07.9 >	07.8 >	< 8.40	6.40
2,4-Dimethylphenol (GCMS)	07.4 >	07.7 >	05.5 >	< 4.40
2.4-Dinitrophenol (GCMS)	< 176	¢ 176	4 176	< 176
2-Chlorophenot (GCMS)	< 2.80	< 2.80	< 2.80	< 2.80
2-Methylphenol (GCMS)	< 3.60	< 3.60	< 3.60	< 3.60
2-Witrophenol (GCMS)	< 8.20	< 8.20	< 8.20	< 5. 20
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50 °	< 8.50	< 8.50
4-Methylphenol (GCMS)	< 2.80	< 2.80	< 2.83	< 2.80
4-Witrocherol (GCMS)	< %·0	< %·0	0.9% >	< 96.0
Phenol (GCHS)	< 2.20	< 2.20	< 2.20	< 2.20
Semivolatiles				
1,4-0xathiane	< 2.38	Y 2	< 2.38	¥
1,4-Oxathiane (GCMS)	< 27.0	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI)	¥	< 0.0590	¥ Z	0.0590

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 - h' al many nd many 1A/ report edt

Table B1 Groundwater Investigative Analytical Data

Sample 1D	37406	37406	37407	20728
Date	09/56/89	02/21/90	09/26/89	02/21/90
Analytes				
Semivolatiles				٠
	< 18.0	< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE)	Y.	0.0460	¥8	09000 >
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	< 16.0
4-Chlorophenylmethyl Sulfide	< 5.69	KA	< 5.69	¥
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	< 10.0	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfone	× 7.46	¥	< 7.46	¥
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide	49.7	¥	< 11.5	Y.
4-Chlorophenylamethyl Sulfoxide (GCMS)	71.6	101	< 15.0	< 15.0
Aldrin	¥X	~	V.	œ
Aldrin (GCMS)	< 13.0	< 13.0	< 13.0	< 13.0
Atrazine	72.9	¥¥	< 4.03	KA
Atrazine (GCMS)	< 5.90	< 5.90	< 5.90	< 5.90
Benzothiazole	< 5.00	KA	< 5.00	NA NA
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	KA	< 5.90	NA
Bis (2-Ethylhexyl) Phthalate (GCMS)	¥	× 7.70	¥	< 7.70
Caprolactem (GCMS)	¥	< 7.70	V.	< 7.70
Chlordane	NA.	< 0.152	Y.	< 0.152

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Table B1 Groundwater Investigative Analytical Data

Sample 1D Date	37406	37406 02/21/90	37407 09/25/89	37407 02/21/90
Analytes				
Senivolatites	, ,			
Chlordane (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Dicyclopentadiene	< 5.00	NA	< 5.00	¥
Dicyclopentadiene (GCMS)	< 5.50	< 5.50	< 5.50	< 5.50
Dieldrin	NA.	< 0.0539	¥	< 0.0539
Dieldrin (GCMS)	< 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Wethylphosphonate	750	×	24.3	YN.
Diisopropyl Methylphosphonate (GCMS)	> 200	> 200	< 21.0	104
Dimethylmethyl Phosphonate	< 0.188	NA	< 0.188	MA
Dimethylmethyl Phosphonate (GCMS)	< 130	< 130	< 130	< 130
Dithiane	< 1.34	¥	< 1.34	YN
Dithiane (GCHS)	< 3.30	< 3.30	< 3.30	< 3.30
Endrin	NA NA	< 0.0600	¥2	< 0.0600
Endrin (GCMS) ,	< 18.0	< 18.0	< 18.0	< 18.0
Hexachlorocyclopentadiene	< 0.0480	œ	< 0.0480	œ
Hexachlorocyclopentadiene (GCMS)	< 54.0	< 54.0	o*95 >	< 54.0
Isodrín	Z Z	< 0.0560	¥	< 0.0560
Isodrin (GCMS)	< 7.80	< 7.80	< 7.80	< 7.80
Halathion	< 0.373	NA	< 0.373	N

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 - ·· Data did not meet quality control criteria and were rejected. œ
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Table B1 Groundwater Investigative Analytical Data

Sample 1D Date	37406 09/26/89	37406 02/21/90	37407 09/26/89	37407 02/21/90
Analytes				
Semivolatiles				
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	KN N	< 0.647	¥¥
Perathion (GCMS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GCMS)	< 9.10	< 9.16	< 9.10	< 9.10
Supona	< 0.787	¥.	< 0.787	. 4%
Supone (GCMS)	÷ 19.0	< 19.0	< 19.0	< 19.0
Vapona	< 0.384	4 2	< 0.384	KX
Vapona (GCHS)	< 8.50	< 8.50	< 8.50	< 8.50
Volatiles	•			
1,1,1-Trichloroethane	¥.	< 1.09	Y 2	. 1.09
1,1,1-Trichtoroethane (GCMS)	¥	< 10.0	Y _H	< 10.0
1,1,2-Trichloroethane	¥	< 1.63	¥N	< 1.63
1,1,2-Trichloroethane (GCMS)	¥	< 10.0	YN	< 10.0
1,1-Dichloroethane	¥	< 1.93	¥.	< 1.93
1,1-Dichloroethame (GCMS)	Ä	< 10.0	KA	< 10.0
1,1-Dichloroethene	¥	< 1.85	¥¥	< 1.85
1,1-Dichloroethene (GCHS)	¥	< 10.0	¥X	< 10.0
1,2-Dichloroethane	KN	< 2.07	¥	< 2.07
1,2-Dichloroethane (GCMS)	¥ X	< 10.0	HA	< 10.0

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Table B1 Groundwater Investigative Analytical Data

Sample 10	37406	37406	37407	21407	
Date	09/56/89	05/21/90	09/26/89	02/21/90	
Analytes					
Volatiles					
1.2.0ichloroethenes (cis & trans)	¥	< 1.75	¥	× 1.7	
1.2-Dichloroethenes (cis & trans) (GCMS)	YH .	< 50.0	¥	< 50.0	
Benzene	Y.	7.74	Y.	59.0 A	
Benzene (GCMS)	K	< 10.0	¥.	30.2 A	
Carbon Tetrachloride	NA.	2.20	¥.	6.98	
Carbon Tetrachloride (GCMS)	¥	< 10.0	X	< 10.0	
Chlorobenzene	YN.	64.6 A	KA	Z60 A	
Chlorobenzene (GCMS)	KA	47.1 A	¥,	192 A	
Chloroform	YH.	230 A	NA	1300 A	
Chloroform (GCMS)	¥	170 A	YN.	120 A	
Dibromochloropropane	2.12	K X	0.377	H	
Dibromochloropropane (GCMS)	< 12.0	< 12.0	< 12.0	< 12.0	
Dimethyl Disulfide	< 0.550	KA	< 0.550	¥	
Ethyl Benzene	**	< 0.620	¥	0.933	
Ethyl Benzene (GCMS)	K X	< 10.0	¥	< 10.0	
e de la	×	· 1.04	*	. 1.04	
M-XVIene (GCMS)	¥	< 10.0	¥	< 10.0	
Methylene Chloride	¥#	< 2.48	¥	< 2.48	

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above the Maximum Reporting Limit. NA -- Not Analyzed. . > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.

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Table B1 Groundwater investigative Analytical Data

Sample 10 Date	3740 6 09/26/89	37406 02/21/90	37407 09/26/89	37407 02/21/90	•
Analytes					
Volatiles	:				
Hethylene Chloride (GCMS)	¥	< 10.0	¥	< 10.0	
Methylisobutyl Ketone	۰ ۲.90	, VN	o6.4 ×	*	
Methylisobutyl Ketone (GCMS)	KM	< 14.0	¥	< 14.0	
O,P-Xylene	¥¥	< 1.36	YN	2.11	
O,P-Xylene (GCHS)	\$	< 20.0	Y.	< 20.0	
Tetrachloroethene	¥	23.5	¥	< 2.76	
Tetrachioroethena (GCMS)	¥	12.0	ş	< 10.0	
Toluene	YN .	< 2.10	¥	8.22	
Toluene (GCMS)	¥	< 10.0	K	< 10.0	
Trichloroethene	¥N	4.13	KA	11.3	
Trichloroethene (GCMS)	\$	< 10.0 ·	YN	< 10.0	
Vinyl Chloride	¥	¥	¥¥	¥	
Vinyl Chloride (GCMS)	¥	< 120	¥	< 120	

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Table B1 Groundwater Investigative Analytical Data

Sample 10	37408	37409	37410	37418
כסיע	40/10/71	40/43/11	49/40/21	12/18/89
Analytes				
Metals/Anions/General Chem				
Arsenic	4.26	5.23	< 2.35	3.64
Cachritum	< 6.78	< 6.78	6.78	× 6.78
Calcium	187000	199000	163000	220000
Chloride	180000	370000	180000	170000
Chromitum	< 16.8	< 16.8	< 16.8	< 16.8
Copper	× 18.8	< 18.8	× 18.8	× 18.8
Cyanide	× 5.00	< 5.00	< 5.00	< 5.00
Fluoride	2320	2510	2360	3310
Iron	217	86.5	7 02	227
Lead	43.4	< 43.4	< 43.4	× 43.4
Magnesium	28000	57600	53900	196000
Hanganese	. 4.54	14.7	11.4	187
Mercury	♦ 0.100	< 0.100	< 0.100	< 0.100
Witrite, Mitrate Non-Specific	2200	4200	1300	930
Potassium	3850	0067	4150	0540
Sodica	330000	370000	310000	840000
Sulfate	780000	000099	710000	1500000
Total Organic Carbon	1900	3000	2200	12000

Reported values are accurate to three significant figures.

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- above the Maximum Reporting Limit. NA -- Not Analyzed. > -- indicates that the target analyte was detected at or
 - R -- Data did not meet quality control criteria and were
 - A -- Data considered anomalous based on evaluation of rejected.

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Table B1 Groundwater Investigative Analytical Data

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Sample 10 Date	37408 12/01/89	37489 11/29/89	37410 12/04/89	37418 12/18/69
Amiytes				
Hetals/Anions/General Chem	4	1	a	\$
forst susperiord socios	7.07	2.84	41.6	90.9
Phenol s				
2,3,6-Trichlorophenol (GDIS)	v.1.20	£.1.	R.T.	R.T.
	< 2.80	< 2.80	< 2.80	< 2.80
	< 3.60	< 3.60	< 3.60	< 3.60
	07.8 >	· 8.40	× 8.40	97.9 ×
2,4-Dimethylphenol (GOIS)	07.7 >	07.7 >	o 7.4 >	o t. to
2.4-binitrocherol (60%)	× 176	4 176	4 176	× 176
2-Chlorodenol (60%)	< 2.80	< 2.80	< 2.80	< 2.80
2-Bethylphenol (GTIS)	× 3.60	< 3.60	< 3.60	× 3.66
2-Hitrophenol (COS)	6.3 3	· 8.20	< 8.20	× 8.20
3-hethyl-4-Chlorophenol (GDIS)	< 8.50	· 6.50	< 8.50	< 8.50
(SICC) Paraga legical - 7	< 2.80	< 2.80	< 2.80	< 2.80
A-Witnestern (COS)	× 96.0	· 0.96 ·	9.96 ×	6.0
Phenol (GDIS)	< 2.20	< 2.20	< 2.20	< 2.20
Semivolatiles				;
1, 4-Ocathiane	< 2.38	< 2.38	< 2.38	7.12
1 4-Drathime (GDS)	< 27.0	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DCi)	× 0.0490	0.155	° 0.0490	0.148

Notes: Values are reported in micrograms per liter.

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Table 81 Groundwater Investigative Analytical Data

	30725	37409	37410	37418
Sumple 1D	12/01/39	11/29/69	12/04/09	12/16/89
Analytes				
Semivolatiles		e # `	16.0	< 15.0
2,2-Bis(parachlorophenyt)-1,1,1-Trichloroethane (DDT) (GDS)	0.01 ×	0,0540	< 0.0540	0.341
2,2-Bis(perachlurophenyl)-1,1-Dichloroethene (DDE)	14.0	× 14.0	< 14.0	< 14.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (BDE) (GCNS)	9 5	< 2.69	< 5.69	< 5.69
4-Chlorophenylmethyl Suffide 4-Chlorophenylmethyl Suffide (GCMS)	× 10.0	c 10.0	· 10.0	< 10.0
	77.7	47.7	< 7.46	8.6
4-Chlorophenylmethyl Sulfane		65 ×	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfone (60%)		5 %	12.6	< 11.5
4-Chlorophenylaethyl Sulfoxide	o o K	8	< 15.0	< 15.0
6-Chlorophenylmethyl Sufforide (GDS)	< 0.0500 < 0.0500	< 0.0500	< 0.0500	0.181
	•	,	< 13.0	< 13.0
Aldrin (60%)). 15.0	2. 7	\$0.4 >	99.7
Atrazine	3.5	5 .	8.5	· 5.90
Atrazine (GDS)	S.C.	2.5	< 5.00 - 5.00	< 5.00
Benzoth i azol e	8.6	8 5	× 5.90	< 5.90
Bicyclo (2,2,1) hepta-2,5-diene	K .c.	2		
	67.7	× 7.70	6.7.7	6.7.7
Bis (2-Ethylbesyl) Phthelate (GJS)	5.7.	or.7 >	67.7	× 10.0
Caprolactus (GDK)	> 1.00	1.05	· 0.0950	6.935

Reported values are accurate to three significant figures. Values are reported in micrograms per liter. Notes:

< -- indicates that the target analyte was not detected at > -- indicates that the target amalyte was detected at or or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Analyzed. R -- Date did not meet quality control criteria and were

A -- Data considered anomatous based on evaluation of rejected.

Table 81 Groundwater Investigative Analytical Data

Sample 10 Date	37408	37409	37410	37418
alytes				
mivolatiles				
Chlordene (GOS)	< 37.0	< 37.0	< 37.0	< 37.6
Dicyclopentadiene	< 5.00	•	•	994
Dicyclopentadiene (60%)	< 5.50	11.3	< 5.50	. 122
nieldrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Dieldrin (GDIS)	< 26.0	· 26.0	< 26.0	< 26.0
Discorrand Nethylabosahonste	991	929	071	2009
Diference Methylphochemic (COS)	% :3	982 ^	67.9	002 ^
Disected sector Photobonete	< 0.188	< 0.188	< 0.158	< 0.188
Disectivisethyl Phosphorace (GDS)	× 130	× 130	× 130	× 130
Dithiene	¢ 1.3k	< 1.3k	× 1.34	27.3
	< 3.30	< 3.30	< 3.30	8.45
Fatris	< 0.0500	< 0.0500	< 0.0500 <	0.100
Endrin (408)	× 15.0	< 18.0	< 18.0	× 18.0
Herach orange and ene	< 0.0480	< 0.0480	< 0.0480	× 0.0480
Hexachlorocyclopentadiene (GOIS)	< 54.0	< 54.0	o.%	× × .
Institut	< 0.0510	< 0.0510	< 6.0510	< 0.0510
Contribution (CORS)	< 7.80	< 7.80	< 7.80	< 7.80
Malathion	< 0.373	< 0.373	< 0.373	< 0.373

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

historical data and field OA/OC procedures.

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< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Analyzed. > -- indicates that the target analyte was detected at or

R -- Data did not meet quality control criteria and were A -- Data considered anomalous based on evaluation of rejected.

Table B1 Groundanter Investigative Analytical Date

Sample 10 Date	37408 12/01/89	37409	37410 12/04/89	37418 12/18/89
Analytes				
Semivolatiles	21.5	۰ ۲۲.0	· 21.0	< 21.0
	× 0.647	< 0.647	× 0.647	< 9.647
Parathion	< 37.0	< 37.0	< 37.0	< 37.0
	< 9.10	< 9.10	< 9.10	< 9.10
Supports	< 0.787	< 0.787	< 0.767	< 0.757
	× 19.0	< 19.0	× 19.0	19.0
(erra) suchs	× 0.384	< 0.384	< 0.384	< 0.384
Vapores (SZRS)	< 8.50	× 8.50	< 8.50	× 8.50
1.1.1-Tricklarethere	< 0.760	< 0.760	< 0.760	× 9.760
1 1-1r(chloroethure (606)	1	\$	1	1
	< 0.780	< 0.780	6.7	00.780
1 2 -Trichlomethere (COS)	1	ĭ	≦	\$
	< 0. 730	< 0.730	· 0.730 ·	< 0.7 30
	1	1	1	\$
	2	< 1.78	S.1.	K.1.
1, 1-0 ich aroethere	•	1	1	=
1, 1-Dichlaroethene (GDIS)	4		i ș	2 2
1,2-Dichloroethane	× 1.10	7. ·	<u> </u>	1
1,2-Dichtoroethane (GOIS)	≦	1	1	í

Reported values are occurate to three significant figures. $\epsilon - \epsilon$ indicates that the target analyte was not detected at

> ... indicates that the target analyte was detected at or

A -- Data considered anomalous based on evaluation of

hi at nd edi.....

^{.-} indicates that the target analyte was not detected at or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Armiyzed. R -- Data did not meet quality control criteria and were

rejected.

Table 81 Groundwater Investigative Analytical Data

:	37408	37409	37410	37418
Sample ID Date	12/01/89	11/29/89	12/04/29	12/18/89
Amilytes				
4 100				
Committee of the contract of t	< 0.760	< 0.760	× 0.760	00/.0 V
1,2-Dichlordetimes (cis a ties)	£	£	1	1
1,2-pichloroedans (cis a ties) (cis)	× 1.05	. 1.05	× 1.65	. 1.65
bezere	1	£	1	1
Berzene (60KS)	× 0.990	2.44	· 0.990	× 0.990
			,	i
	1	ī	\$	£
Carbon letracatoride (was)	0.620	· 0.820	× 0.620	· 0.820
Chlorobargese	1	1	≦	¥
Chlorobenzene (SOS)	* *	927	3.6	• 9.500
Chloroform	1	≤	≦	1
Chloroform (GCIS)	í	İ		
	60.155	5.85	< 0.195	< 0.195
	5 CT >	< 12.0	< 12.0	< 12.0
Dibramachlarapropene (60%)		< 0.550	< 0.550	< 0.550
Dimethyl Disulfide	24 1 2	4.1.37	< 1.37	< 1.37
Ethyl Benzene	1	1	≤	\$
Ethyl Berzene (GDS)	í	Į		
	×1.2	< 1.22	¢ 1.32	< 1.X
H-ty/ene	1	1	≨	¥
N-Kytere (GDIS)	07 2 7	o7.7 >	oy"2 >	07"2 >
Methylene Chloride	} : :			

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- above the Maximum Reporting Limit. MA -- Not Analyzed. > -- indicates that the target analyte was detected at or
 - R -- Data did not meet quality control criteria and were
 - A -- Data considered anomalous based on evaluation of historical data and field QA/OC procedures. rejected.

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Table 81 Groundwater Investigative Analytical Data

Sample ID Date	3740 8 12/01/89	37409	37418	374.18
Analytes				
Volatiles				;
Nethylene Chloride (GOS)	¥	1	ĭ	1
Methylisobutyl Ketone	6.4 ×	6.4 ×	96° 7 >	6.4 ×
Hethyl isotuty (Ketore (GDS)	£	1	ž	\$
0.P-Tvlene	× 1.36	< 1.36	· 1.36	× 1.36
0,P-tylene (GDS)	1	≦	1	¥
Tatrachi occaribana	4.65	51	3.53	10.2
Tetrachiconethers (CTS)	1	¥	¥	1
Tolume	< 1.67	< 1.47	< 1.67	< 1.47
Tourse (SDS)	£	1	1	≦
Trichtoroethene	9.816	3.33	< 0.560	6.52
Trichloroethere (808)	1	¥	ź	1
Vinyl Chloride	á	1	1	s :
Vinyl Chloride (6DIS)	á	\$	1	á

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

< -- indicates that the target analyte was not detected at

> -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

A .. Data considered anomalous based on evaluation of rejected.

10 PM (1 M) FM (1 M) PM (1 M)

Table 81 Groundwater Investigative Analytical Data

Sample 10	37418	37419	37420	37420
Date	06/22/90	12/15/89	12/13/89	06/17/90
Amiytes				•
Metals/Anions/General Chem				
Arsenic	~	< 2.35	3.48	•
Cadaius	× 6.78	× 6.78	e 6.78	× 6.78
Calcium	29000	250000	000097	7,0000
Chloride	1800000	290000	1100000	120000
Chroniun	< 16.8	< 16.8	× 16.8	< 16.8
Copper	s.81 >	< 18.8	< 18.8	< 18.8
Cyanide	•	< 5.00	< 5.00	~
Fluoride	6300	3390	3180	0077
<u> </u>	1430	216	127	2110
Lead	< 43.4	7.643.4	· 43.4	< 43.4
Megnes fum.	194000	91500	141000	132000
Nargenese	263	33.8	155	215
Kercury	< 0.100	< 0.100	< 0.100	< 0.100
Mitrite, Mitrate Mon-Specific	5 %	1200	992	98
Potessius	0698	9229	0995	0225
Sodiu	1160000	200095	700000	790000
Sul fate	1800000	1100000	1200000	140000
Total Organic Carbon	14000	0099	9100	12000

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or

R -- Data did not meet quality control criteria and were rejected.

above the Maximum Reporting Limit. 554 -- Not Analyzed.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table 81 Groundwater Investigative Analytical Data

Sample 1D Date	37418 06/22/90	37419 12/15/89	37420	57420 06/21/90
knalytes				
Metals/Knions/General Chem	. 007	s	£	0007 >
Total Suspended Solids Zinc	36.3	47.9	9.17	• 16.0
Phenois	£	8	8.1.	ø.1.≯
2,3,6-Trichlorophenol (GDIS)	2 C /	. < 2.80	< 2.80	< 2.80
2,4,5-Trichloraphenol (GCMS)	97.5	3.60	< 3.60	9.60
2,4,6-Trichlorghenol (GDS)	9.8	07.8 >	· 8.40	9.40
2,4-Dichloropherol (GDS) 2,4-Disethylpherol (GDS)	97.7	05.4 >	oy'y >	07.4 >
Ī	7.176	× 176	× 176	× 176
2,4-Dinitrophenol (GDIS)		< 2.80	< 2.80	< 2.80
2-Chlorophenol (GDIS)	9 2	× 3.60	× 3.60	< 3.60
2-Nethylphenol (SCNS)	8	62.8 ×	· 8.20	8.20
2-Witropherol (GDIS) 3-Methyl-4-Chloropherol (GDIS)	8.8 •	6.50	× 8.50	6.50
	8 C /	< 2.80	< 2.80	< 2.80
4-Nethylphenol (GDIS)	0.86	· 96.0	· %·0	· 96.0
4-mitrophenol (GDKS) Phenol (GDKS)	¢ 2.20	< 2.20	< 2.20	× 2.20
Semivolatiles	•	# C ,	× 2,38	5.35
1,4-Okathiane	3 5	22.0	< 27.0	o. <i>1</i> 2 >
1,4-Ocathiane (GCMS) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI)	0-72 V nst	0.161	0.184	< 0.0490 ×

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- above the Maximum Reporting Limit. MA -- Not Amelyzed. > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.
 - R -- Data did not meet quality control criteria and were rejected.
 - A -- Data considered anomalous based on evaluation of h al nd W/F etc.

Table 81 Groundwater Investigative Analytical Data

Sample ID Date	3741 8 06/22/90	37419 12/15/89	37420 12/13/89	37420 06/21/90
Analytes				
Semivolatiles	× 18.0	· 18.0	< 18.0	× 18.0
2,2-Bis(perachlorophenyl)-1,1,1-1ffckloroethane (bot) (compared to the compared (BB)	× 0.0540	2.474	1.3	< 0.0540
2,2-81s(parachlordmanyl)-1,1-01cmlordman (act)	< 14.0	< 14.0	< 14.0	< 14.0
2,2-81s(personiorgimeny) 1,1-91cm occusor, 1000,	< 5.69	< 5.69	· 5.69	< 5.69
4-Chlorophenytaethyl Sulfide (GDKS)	× 10.0	< 10.0	· 10.0	< 10.0
	97.7	8.7	21.0	× 7.46
c-Chlorophenyimethyl Sultone	S. 5.	< 5.30	9.18	9.6
4-Chlorophenyimethyl Suffore (GUS)	× 11.5	< 11.5	< 11.5	< 11.5
4-Chlorophenyimethyl Sulfoxide	< 15.0	< 15.0	< 15.0	< 15.0
4-Chlorophenylaethyl Sulfoxioe (Gurs) Aldrin	< 0.0500	0.354	0.311	< 0.0500
•		< 13.0	< 13.0	< 13.0
Aidrin (GDS)		× 4.03	7.80	13.8
Atrazine	8.5.4	· 5.90	× 5.90	× 5.8
Atrazine (GDIS)		< 5.00	· 5.00	< 5.00
Senzothiazole Bicyclo (2,2,1) hepta-2,5-diene	× 5.90	< 5.90	< 5.90	× 5.90
	Ø.7.	< 7.70	13.3	83.6
Bis (2-Ethylberyl) Phthalate (GJS)	0 01 >	× 7.7	< 9.10	< 10.0
Caprolectem (GCMS) Chlordene	• 0.9950	1.60	1.70	< 0.0950

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

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 - R -- Data did not meet quality control criteria and were
 - rejected.

 A -- Data considered anomalous based on evaluation of historical date and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

or and a line	37418	374:9	. 37420	37420
Date Date	06/22/90	12/15/89	12/13/89	06/17/00
Analytes				
Serivolatiles				
Chicadese (STRS)	< 37.0	4 37.0	< 37.0	£ 37.0
	378	3	3	578
	212	93.2	> 300	305
	< 0.0500	< 0.0500	0.0091	< 0.0500
Dieldrin (60%)	¢ 26.0	¢ 26.0	· 28.0	< 26.0
	2800	909	2100	2900
Disapately metalythrophometer (CTS)	002 ^	982 ^	982 ^	132
Diligation of the contract of	× 0.188	< 0.186	< 0.188	< 0.188
Differing the company of the company	55.	× 130	× 130	× 130
Dimensyl mostromes (ed.)	9.82	2.86	× 1.34	0.92
	9.1	< 3.30 < 3.30	7.36	< 3.30
Dithiene (GAS)	· 0.0500	0.136	< 0.0500	< 0.0500
בייניי	4 18.0	< 18.0	< 18.0	< 18.0
	0.0480	0,0480	~	< 0.0480 <
Rexachlorocyclopentadiene (828) Rexachlorocyclopentadiene (828)	, %. 0.2%	0.32 >	· %.	o.32 >
	0.113	0.137	0.113	< 0.0516
	< 7.80	< 7.80	< 7.80	< 7.80
Isozrii (w.rs.) Helethion	1.76	< 0.373	< 0.373	< 0.373

rejected.

< -- indicates that the target analyte was not detected at Reported values are accurate to three significant figures. or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Analyzed. > -- indicates that the target analyte was detected at or

R -- Data did not meet quality control criteria and were

Table 81 Groundwater Investigative Analytical Data

21.0 21.0 0.647 37.0 9.10 19.0 19.0 0.384 0.384 0.384 0.384 0.384 0.384 0.380 0.760 0.760 0.760 0.760	12/13/69 < 21.0 < 0.647 < 9.10 < 0.787 < 0.787 < 0.384 < 0.384 < 0.780 MA < 0.760 MA < 0.750	12/15/89 < 21.0 < 0.647 < 37.0 < 9.10 < 0.787 < 0.786	6,722/90 4,21.0 1.22 4,37.0 4,9.10 4,0.0	Sample 10 Date malytes malytes malytes Malathion (GCMS) Perathion
R E	۲.1° ع	e: ,	× 1.70	1,1-Dichloroethene
R.T.	د1.^ ¥	6.1.70 ##	< 1.70 < 1.90	1,1-Dichloroethene (GMS)
R.T.	د.1.ک ا	× 1.78	< 1.70	e1e
R.T.	× 1.2	× 1.78	oZ 1 >	1
· 1.00	≦	¥	× 1.00	we (GONS)
< 0.730 <	· 0.730	< 0.730	< 0.730	*
3. 3.	S	≦	× 1.00	thane (GCMS)
8	á	: :		2.5
< 0.780	< 0.780	× 0.780	× 0.780	there
9. 1.8	ş	¥	× 1.80	theme (GCHS)
< 0.760	× 0.760	092.0	× 0.760	hane
× 8.50	< 8.50	< 8.50	< 8.50	
< 0.386	< 0.384	, 0.384	< 0.364	
< 19.0	< 19.0	< 19.6	< 19.0	
, O. ros	¢ 0.767	< U./8/	< U.78/	
/ B/ 0 /	707.0	702.0		
< 9.10	< 9.10	< 9.10	< 9.10	(GCMS)
< 37.0	< 37.0	< 37.0	< 37.0	
< 0.647	< 0.647	< 0.647	1.22	
< 21.0	< 21.0	< 21.0	< 21.0	
24/13/00	12/13/89	12/15/89	06/22/90	
A67.74.00				

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

A -- Data considered arromalous based on evaluation of historical data and field QA/QC procedures.

Table 81 Groundwater Investigative Analytical Data

Sample IG . Date	37418 66/22/90	37419	37420 12/13/ 89	37420 06/21/90
Analytes				
Volatiles	092·0 >	< 0.766	< 0.760	< G.760
1,2-Dichloroetheres (cis a trans)	× 5.00	1	\$	< 5.00
1,2-Dichloroetheres (cis a times) (was)	2.39	. 1.05	· 1.05	· 1.05
Benzene	8.	\$	*	. 1.00
Benzene (GJNS) Carbon Tetrachloride	066°0 >	< 0.990	× 0.990	× 0.990
Company of the compan	, . .00	\$	1	× 1.00
Carbon Tetrachloride (GLMS)	13.0	· 0.620	< 0.820	9.35
Chlorobenzene	22.1	3	¥	. 1.00
Chlorobenzene (GLAS)	9.05	· 0.500	< 0.500	10.6
Chloroform (GDIS)	0.64	¥	≦	× 1.00
:	97.0	< 0.195	< 0.195	< 0.195
Dibrosoch oropropere	< 12.0	< 12.0	< 12.0	< 12.0
Dibromoch organic (w.ms.)	< 0.550	< 0.550	< 0.550	< 0.550
Dimethyl Disultide	W.1. >	< 1.37	< 1.37	< 1.37
Ethyl benzene Ethyl benzene (GCMS)	1.00	\$	á	¢.1.8
- 3	× 1.32	< 1.32	< 1.32	< 1.32
N-Xyl ere	× 1.90	\$	1	4 1.00
M-Kylene (60.MS) Wethylene Chloride	< 7.40	× 7.40	< 7.40	. 7.40

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at
- above the Maximum Reporting Limit. MA -- Not Arelyzed. > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.
- rejected.

R -- Data did not meet quality control criteria and were

A -- Data considered anomalous based on evaluation of 19 - 18 - 19 to 18 19 to
Table 81 Groundwater Investigative Amelytical Data

S :ple 10	37418	. 37419	37420	37420
Date	06/52/90	12/15/89	12/13/89	06/21/90
Analytes				
Volatiles				
Methylene Chloride (GCMS)	· 1.00	1	1	< 1.00
Methyl isobutyl Ketone	06.4 ×	06.4 >	6.4 ×	o., s
Methylisobutyl Ketone (GCMS)	< 1.40	4	\$	· 1.40
0.P-Xvlene	< 1.36	c 1.36	× 1.36	< 1.36
O,P-Xytene (GOIS)	< 2.00	1	\$	< 2.60
Tetrachloroethere	5.73	12.3	12.1	13.1
Tetrach(oroethene (GCMS)	9.17	*	\$. 1.00
Tolume	< 1.47	< 1.47	< 1.47	< 1.47
Toluene (GDIS)	< 1.00	1	4	× 1.00
Trichloroethene	6.7	2.68	4.16	5.13
Trichloroethene (GDIS)	6.00	£	ī	4 1.00
Vinyl Chloride	≦	\$	ş	≦
Vinyl Chloride (GCIS)	< 12.0	\$	1	< 12.0

Reported values are accurate to three significant figures.

- ... indicates that the target analyte was not detected at
- or above the Certified Reporting Limit.
- above the Maximum Reporting Limit. MA -- Not Analyzed. \Re -- Data did not meet quality control criteria and were
- A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

rejected.

Table 81 Groundwater Investigative Analytical Data

37430 12/28/89	;	< 2.35	× 6.78	114,000	150000	< 16.8	× 18.8	< 5.00	2370	¥	< 43.4	33200	≨	· 0.100	2400	3130	170000	230000	6 8
374.29		< 2.35	× 6.78	91200	000£9	< 56.8	× 18.8	· 5.00	1700	< 77.5	< 43.4	21300	. 9.67	c 0.100	3700	3650	90008	160000	ocot >
37429 12/29/89		< 2.35	c 6.73	97300	55000	* 16.8	× 18.8	. 5.00	1480	1	< 43.6	21960	\$	< 0.100	. 7000	0057	83000	160000	1300
374.26 12/27/89		3.23	6.78	117000	140000	< 16.8	< 18.8	< 5.00	1610	1	< 43.4	34200	\$	0.100	65.1	2050	170006	29000	2100
Sample 10 Date	Analytes meets deines (General Chem		Alterior Alterior					Copper	Cyanide	Fluoride	Lead		Negres 1um	Karganese	Mercury	Mitrite, Mitrate Mont Specials: Potessium		Sodium	Sulfate Total Organic Carbon

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

- c -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or above the Maximam Reporting Limit. MA -- Not Analyzed.
- rejected. A -- Data considered anomalous based on evaluation of

R -- Data did not meet quality control criteria and were

his at c df A/90 sdur

Table B1 Groundwater Investigative Analytical Data

•	374.28	374.29	374.29	37430
Sample IU	12/27/89	12/29/89	05/56/90	12/28/89
- C - C - C - C - C - C - C - C - C - C				
Analytes				
Metals/Anions/General Chem	1	ş	1	á
Total Suspended Solids Zinc	< 18.0	23.7	< 18.0	< 18.0
40				
	ć.1.2	S.1.2	× 1.3	R.T.
2,5,6-irichlordmenot (dams)	< 2.80	< 2.80	< 2.80	< 2.80
2,4,5-Trichlorophenol (MAS)	< 3.60	< 3.60	< 3.60	< 3.60
2,4,6-Trichlorophenol (Muss)	97.9	× 8.40	< 8.40	× 8.40
2,4-Dichlorophenol (GCMS) 2.4-Dimethylphenol (GCMS)	07'7 >	07"7 >	05"5 >	07'7 >
	× 178	× 176	. 176	< 176
2,4-Dinitropherol (GDRS)	< 2.80	< 2.80	< 2.80	< 2.80
2-Chlorophenol (GDS)	97.	< 3.60	< 3.60	< 3.60
2-Nethylphenol (GDIS)	R	02.8 >	× 8.20	× 8.20
2-Hitrophenol (GDNS) 3-Methyl-4-Chlorophenol (GDNS)	8.50	< 8.50	< 8.50	\$.5
	< 2.80	< 2.80	< 2.80	< 2.80
4-Hethylphenol (GDS)	0.0%	× 96.0	0.96 >	· 96.0
4-Nitrophenol (GURS) Phenol (GURS)	¢ 2.20	× 2.20	< 2.20	¢ 2.20
Semivolatiles	× 2.38	< 2.38	< 2.38	< 2.36
1,4-Duath are	< 27.0	< 27.0	< 27.0	< 27.0
1,4-0xathiane (GURS) 2,2-8is(parachlorophemyl)-1,1,1-Trichloroethane (DDT)	e	< 0.0490	< 0.0490 ×	< 0.0490 ×

Reported values are accurate to three significant figures.

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- or above the Certified Reporting Limit.
- above the Maximum Reporting Limit. MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table 81 Groundwater Investigative Analytical Data

	37428	374.29	37429	37430
Date	12/27/89	12/29/89	02/26/90	12/28/85
Analytes				
Semivolatiles	€.	^ 6.6	< 18.0	< 18.0
2,2-8is(perachtorophery()-i,i,i-ifficatorophere (not) (not)	0,0540	< 0.0540	< 0.0540	< 0.0540
2,2-Bis(parachlorophenyl)-1,1-Dicolorochens (voc.)	0.41 >	× 14.0	< 14.0	< 14.0
2,2-81s(personioromeny) 1,1-1 contract that the second that th	¢ 5.69	< 5.69	< 5.69	< 5.69
4-Chlorophenyleethyl Sutfide (COIS)	· 10.0	< 10.0	< 10.0	< 10.0
	× 7.46	× 7.46	× 7.46	× 7.46
•	< 5.30	< 5.30	< 5.30	< 5.38
	< 11.5	< :1.5	< 11.5	< 11.5
"	< 15.0	< 15.0	< 15.0	< 15.0
4-Chlorophenylmetnyl suktoxioz tecks) Aldrin		< 0.0500	< 0.0500	< 0.6500 ×
	e 11 ×	< 13.0	< 13.0	· 13.0
Aldrin (GDIS)	20.4 >	× 4.03	× 4.03	56.4 >
Atrazine	18 · S	< 5.90	× 5.8	< 5.90
Atrazine (GDS)	8 5 5	< 5.80	< 5.00	< 5.00
Bergothiazole Bicyclo (2,2,1) hepta-2,5-diene	< 5.90	¢ 5.90	< 5.80	< 5.98
	× 7.70	8.7 ×	o. 7.70	o. 7.70
BIS (2-Ethylhexyl) Phunelate (w.s.)	67.7	× 7.70	× 7.70	K.7.
Caprotectes (w.r.s.) Chlordene	< 0.0950	< 0.0950	< 0.0950	< 0.0950

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 - R -- Data did not meet quality control criteria and were

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A -- Data considered anomalous based on evaluation of h. al. rejected.

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Table B1 Groundwater Investigative Analytical Data

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Sample 10 Date	32/28	37429 12;29/ 89	37429	37430 12/28/89
Analytes	-			
Sesivolatiles	< 37.0	< 37.0	< 37.0	< 37.0
Chlordene (GOIS)	× 5.00	< 5.00	< 5.00	< 5.00
Dicyclopentadiene	\$.5°	< 5.50	< 5.50	< 5.50
Dicyclopentadiene (wurs)	· 0.0500	< 0.0500	< 0.0500	0.0500
Dieldrin Dieldrin (GDIS)	· 26.0	< 26.0	° 28.0	× 28.0
	U7L	18.6	10.1	5.74
Diisopropy! Nethylphosphormte	2	< 21.0	¢ 21.0	< 21.0
Diisopropyi Methylphosphomate (GOMS)	× 0.188	< 0.165	< 0.188	< 0.188
Dimethylmethyl Phosphonate	5.1 ×	× 130	× 130	, 35
Dimethylmethyl Phosphormate (GOMS)	#C1.>	× 1.3	¢.1.3k	×1.×
		5 1	× 3.30	× 3,30
Dithione (GOS)	85.6 ×	0000	< 0.0500	< 0.0500
Endrin	0.00 ×	18.0	< 18.0	· 18.0
Endrin (GDKS)	970 0 1	6920 0	< 0.0480	× 0.0480
Bexach lorocycl opentadiene	0.75	° %.0	o.¥\$ ^	< 54.0
Hexachlorocyclopentinglene (wars)			Ş	0.50 0 1
-3-F	< 0.0510	< 0.0510 <	0.00.0 ×	
1 Soot III	< 7.80	× 7.80	2 - 7.80 - 7.80	
Isodrin (GDIS)	< 0.373	< 0.373	< 0.373	< 0.373
Malathion				

Notes: Values are reported in micrograms per liter.

- indicates that the target analyte was not detected at the translate consisted beneating limit.
- or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. WA -- Not Analyzed.
 - R -- Dats did not meet quality control criteria and were rejected.
 - A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Sample 10	37428	37429	37429	37436
Date	A9//7/71	(6/ <i>C</i>)/21	24 ASS / 20	
alytes	;			
mivolatiles	< 21.0	< 21.0	< 21.0	< 21.0
Malathian (MUS)	5 0.647	× 0.647	< 0.647	< 0.647
	< 37.0	< 37.0	< 37.0	< 37.0
	< 9.10	< 9.10	< 9.10	< 9.10
Supporte	× 0.787	< 0.787	< 0.787	< 0.787
	× 19.0	< 19.0	< 19.0	< 19.0
Supera (euro)	A 0.384	< 0.384	< 0.384	× 0.384
Vapona (GDIS)	₹ 8.50	< 8.50	< 8.50	× 8.50
				;
4 4 4-Tricklessethers	< 0.760	< 0.760	< 0.760	· 0.760
	1	1	4.1.8	ī
1,1,1-irighter octomers (ecrs.)	09/-0 >	< 0.780	< 0.780	× 0.730
1,1,2-171GHOTOPCHETE	•	ă	× 1.00	1
1,1.4-frichtoroethame (sins) 1,1-bichtoroethame	0.730	< 0.7 30	< 0.730	< 0.730
Company of the Party of the Par	1	1	< 1.00	ź
), 1-Dichioretaine (stas)	6.1.5	R	× 1.70	K.1.
	1	\$. 1.00	1
1, 1-bichloroethere (GUS)	i <u>-</u>	< 1.10	< 1.10	4 1.10
1,2-Dichloroethane	. 1	≦	× 1.00	¥
1,2-Dichloroethame (GDRS)	i	ŀ		

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

- < -- indicates that the target analyze was not detected at or above the Certified Reporting Limit.
- above the Maximum Reporting Limit. MA -- Not Armlyzed. > -- indicates that the target analyte was detected at or
 - R -- Data did not meet quality control criteria and were
 - A -- Data considered anomalous based on evaluation of rejected.

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Table 81 Groundwater Investigative Analytical Data

Sample 10 Date	37428 12/27/89	37429 12/29/ 89	3742 . 62742	37430 12/28/89
Analytes				
4 1 2		!	975 9	٠٥ /٨٥
ADITICIST	· 0.760	< 0.760	90.0°	
1,2-Dichloroethenes (cis & trans)		*	· 5.00	≦
1,2-Dichloroethenes (cis & trans) (GCMS)	i y	5	3.60 A	< 1.05
Benzere	6:17		17.1 A	≦
Renzene (GDIS)	S	£ 8	900	× 6.990
Carton Tetrachloride	0.60	< 0.77U		
	;	1	× 1.00	£
Carbon Terrachioride (GDS)	≦	6		0.820
	< 0.820	< 0.620	7.5°	
Chlorobenzene	*	\$	8.8 8.8	1
Chlorobenzene (GOIS)	005 0 7	× 0.500	41.9 A	1.35
Chioroform		\$	V 0.05	¥
Chloroform (GCMS)	i			
		, ,	0.261 A	< 0.195
n i hovench la rastrate	< 0.155		1 0 0 7	< 12.9
	< 12.0	< 12.0	, 16.0 n	920
¥	< 0.550	< 0.550	< 9.550	PC.0 >
Dimethyl Distulfide	× 1.37	< 1.37	< 1.37	· 1.37
Ethyl Benzene	•	\$	· 1.00	1
Ethyl Berzene (GOIS)				
		< 1.22	3.30	< 1.X
H-Xylene		1	• 1.00	á
M-Xytere (GOIS)		07 2 7	4 7.40	c 7.40
Hethylene Chloride	04-7 ×	•		

Reported values are accurate to three significant figures.

A -- Data considered anomatous based on evaluation of mistorical data and field QA/QC procedures.

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 ^{...} indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Liwit. MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

R -- Data did not meet quarty re-

Table 81 Groundwater Investigative Analytical Data

	37428	374.29	37429	37430
Date	12/27/89	12/29/89	05/56/90	12/28/89
Analytes				
Volatiles			•	
Methylene Chloride (GCMS)	\$	¥	· 1.00	1
Hethylischutyl Ketone	° 4.90	o.7 ×	06° 9 >	8.4 >
Hethylischutyl Ketone (GDIS)	\$	1	· 1.40	S
	< 1.36	< 1.36	2.40	× 1.36
O,P-Kytene (GOIS)	≦	.	< 2.00	ş
Tetrachloroethere	6.750	· 0.750	< 0.750	4 0.750
Tetrachloroethere (GOS)	¥	1	< 1.00	1
Tolume	< 1.47	< 1.47	27.62	< 1.47
Tolume (CDS)	S	≦	· 1.00	1
Trichloroethene	· 0.560	· 0.566	< 0.560	< 0.560
Trichloroethere (COS)	=	3	. 1.00	í
Vind Chloride	ī	\$	¥	1
Vinyi Chloride (COIS)	ĭ	1	< 12.0	í

Reported values are accurate to three significant figures.

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- above the Maximum Reporting Limit. MA -- Not Analyzed. > -- indicates that the target analyte was detected at or
 - R -- Data did not meet quality control criteria and were rejected.
 - A -- Data considered anomalous based on evaluation of ž

A/C _____dbs al . In

Table 81 Groundwater Investigative Analytical Data

Sample 10 Date	37430	37433	37433	37434
Analytes				
Wetals/Anions/General Chem		-		
Arsenic	< 2.35	< 2.35	< 2.35	< 2.35
Cachiun	6.78	e. 6.78	e.6.78	× 6.78
Calcius	120000	81200	113000	79900
Chloride	170000	75000	140000	72000
Chronica	< 16.8	< 16.8	< 16.8	× 16.8
Copper	< 18.8	< 18.8	× 18.8	× 10.8
Cyanide	< 5.00	< 5.00	< 5.00	< 5.00
fluoride	2790	1260	1570	1530
iran	< 77.5	á	< 77.5	£
Leed Control	< 43.4	< 43.4	4.54 >	< 43.4
Megnesius	37420	15200	22300	17600
Henganese	× 9.67	\$	<i>19.6</i> >	s
Hercury	× 0.100	< 0.100	< 9.100	6.100
Hitrite, Hitrate Mon-Specific	6100	3300	510	2300
Potassium	2600	0£09	4420	6540
# 100 S	130000	77000	00066	91008
Sulfate	250000	190000	20000	190000
Total Organic Carbon	2000	> 1600	2000	• 1000

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- or above the Certified Reporting Limit.
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Table 81 Groundater Investigative Analytical Data

Sample 10 Date	37430 02/25/90	37433	37433	37434 01/03/90
Analytes				
Metals/Anions/General Chem	1	4	\$	1
Zinc	< 18.0	5.3	· 18.0	× 18.0
	,	ş •	£	£ .
	5	< 2.80	× 2.80	< 2.80
2,4,5-Trichlorgment (Mus)	3.60	< 3.60	< 3.60	< 3.60
E, 4,0-Irichtordane (coms)	97.8	× 8.40	× 8.48	× 8.40
2,4-biomethylphenoi (GDRS)	07.7 >	07.7 >	° 4.40	07'7 >
	× 176	× 176	× 176	× 176
C'A-DINIERGENE (ACC)	< 2.80	< 2.80	< 2.80	< 2.80
(curry) louanting of the contract of the contr	< 3.60	· 3.60	< 3.60	< 3.60
	6.8	< 8.20	× 8.20	× 8.20
6-militaprenol (such) 3-Methyl-4-Chlorophenol (GDMS)	× 8.50	< 8.50	6.5 6	8.50
Name of the state	< 2.80	< 2.80	< 2.80	< 2.80
4-Methylphenol (eurs)	0.96.	· %.0	· 0°96 >	· 96.0
Phenol (GDS)	4 2.20	< 2.20	4 2.3	< 2.23
Sentvolatites	5	5	< 2.38	< 2.38
1, Coathiane	× 27.0	< 27.0	< 27.0	< 27.0
1,4-uxarniane (u.rs.) 2,2-Bis(perachlorophenyl)-1,1,1-Trichloroethane (DDI)	0690'0 >	< 0.0490	0690"0 >	· 0.0%90

Reported values are accurate to three significant figures.

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Table 81 Groundater Investigative Analytical Data

Sample 1D Date	37430	37433 01/03/90	37433	37434 01/03/90
Analytes				
Semivolatiles 2 2-min(morphy) 1 1.1-Trichloroethune (DDI) (GOIS)	< 18.0	< 18.0	< 18.0	× 18.0
2 2-Bis/parach/proxhem/1-1 1-0 ich/proethere (806)	< 0.0540	· 0.0540	< 0.0540	< 0.3540
2.2-Bistnesschipmentary). 1-Dichtoroethere (DDE) (GDS)	< 14.0	< 14.0	< 14.0	< 14.0
Later and matter Suffide	< 5.69	< 5.69	< 5.69	· 5.69
4-Chlorophenylmethyl Sulfide (GDIS)	· 10.0	< 10.0	· 10.0	< 10.0
Control of the second s	× 7.46	< 7.46	< 7.46	× 7.46
1-Chicardendandandandandandandandandandandandandan	< 5.30	< 5.30	< 5.30	< 5.30
4. Chicambanul method Gui forcide	< 11.5	< 11.5	< 11.5	< 11.5
, ,	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	< 0.0500	< 0.0500	< 0.0500	× 0.0500
Value of the second of the sec	< 13.0	< 13.0	< 13.0	< 13.0
	< 4.03	< 4.03	< 4.03	* 4.03
Attachine (CTS)	× 5.90	< 5.90	< 5.90	· 5.90
	· 5.00	· 5.00	< 5.00	< 5.00
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90	6.5.%	< 5.90	× 5.90
in 12. Control of the late (CONT)	6.7°	oz. 2 >	or.7 >	< 7.70
	v.7.70	o.7.7	K.7.	5.7.
Chlordene	< 0.0950	< 0.0950	< 0.0950	< 0.0950

Wotes: Values are reported in micrograms per liter.

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table B1 Groundwater Investigative Analytical Data

Semble 10	37430	37433	37433	37434
Date	02/26/90	01/03/90	02/26/93	01/03/90
Analytes				
Semivolatiles				•
Chlordene (GOIS)	< 37.0	< 37.0	< 37.0	< 37.0
f.i.ortonetadiene	< 5.00	< 5.00	< 5.00	· 5.00
Dicelopentaline (CDS)	< 5.50	< 5.50	< 5.50	< 5.50
Diefein	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Dieldrin (GONS)	· 26.0	4 26.0	< 26.0	· 26.0
31 i energy Berby photophorate	8.07	0.623	3.31	8.3
Discrepant Methylphonhomate (COS)	< 21.0	< 21.0	< 21.0	o*12 >
Director astron Phoenhone	× 0.188	× 0.188	< 0.188	< 0.186
Disestad settad Phosphones (COS)	0£1 >	821 >	× 130	× 130
Dithiane	c 1.36	× 1.34	× 1.3k	× 1.%
Dichima (CTMS)	< 3.30	× 3.30	× 3.30	× 3.38
	· 0.0500	< 0.0500	< 0.0500	< 0.0500
Code in (COMS)	< 18.0	< 16.0	< 18.0	< 18.0
warehing control countralies	0.0480	× 0.0480	< 0.0480 ×	< 0.0680 <
Retachlorocyclopentadiene (60%)	0.35.	0.42	× 54.0	. 54.0
isos	< 0.0510	< 0.0510	< 0.0510	< 0.0510
tende in (COIS)	< 7.80	< 7.80	< 7.80	< 7.80
Relathion	< 0.373	< 0.373	< 0.373	< 0.373

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

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- above the Maximum Reporting Limit. MA -- Not Analyzed. > -- indicates that the target analyte was detected at or
- rejected.

R -- Data did not meet quality control criteria and were

A -- Data considered anomatous based on evaluation of him at nd 'A/K ed. ed.

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Table 81 Groundwater Investigative Analytical Data

Sample 10	37430	37433	37433	37434 01/03/90
Semivolatiles	< 21.0	< 21.0	< 21.0	< 21.0
	× 0.647	< 0.647	< 0.647	× 0.647
	< 37.0	< 37.0	< 37.0	< 37.0
	× 9.10	< 9.10	< 9.10	< 9.10
Pentachtorophenot (suns) Supone	× 9.787	< 0.787	< 0.787	< 0.787
	0.91 >	< 19.0	0 44 >	< 19.0
Supports (GLAS)	× 0.384	< 0.384	< 0.384	× 0.384
Vapone (GCHS)	× 8.50	< 8.50	< 8.50	< 8.50
			;	
1.1.1-Trichloroethane	× 0.760	× 0.760	× 0.760	0.700 1.700
1 1 1-Trichloroethane (EDMS)	× 1.00	ī	.1.00	¥
1 3 Think acceptance	002.0 >	× 0.780	< 0.780 <	× 0.780
	× 1.00	≨	× 1.00	≨
1,1-2-Ifferior cername (acr.)	× 0.730	< 0.730	< 0.730	< 0.730
	× 1.00	\$	• 1.00	\$
(crostnate turns)	6. T. A.	× 1.8	· 1.70	× 1.70
, 1-0 ichtoroethere	8	**	× 1.00	\$
i,1-bichloroethene (GDKS)	38 -	i :		< 1.10
, 2-Dichloroethane	01.1 >	21.1.2 2	2 8	1
1,2-Dichloroethane (GDMS)	< 1.00	\$	W.! >	£

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- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed.
 - R -- Data did not meet quality control criteria and were rejected.
 - A -- Date considered anomalous based on evaluation of historical data and field OA/OC procedures.

Table 81 Groundwater Investigative Analytical Data

	37430	37433	37433	37434
Date	02/56/90	01/03/90	02/26/90	01/03/90
Analytes				
Voistiles	٠			
1 2-Dichloroethenes (cis & trans)	< 0.760	• 0. 760	× 0.760	70/00
_	< 5.00	3	× 5.00	≦
	17.3 A	< 1.05	5.48 A	· 1.05
	10.9 A	≦	3.10 A	≨
Betzene (u.m.) Carbon Tetrachloride	< 0.990 A	06.0 >	× 0.990	0.990
	. 25. L	4	· 1.00	ī
(arbon letrachioride (wors)	51.2 A	< 0.620	Z8.0 A	× 0.820
כוו (ס. מספוני פוני	82.7 A	ĭ	46.2 A	1
Chloredeniche (e.m.)	300 V	< 0.500	72.7 A	< 0.500 <
Chleroform (GDS)	× 150 A	≦	73.0 A	£
	A 65%.0	< 0.195	0.275 A	< 0.195
	< 12.0 A	< 12.0	< 12.0 A	< 12.0
Distriction of the second seco	< 9.550	< 0.550	< 0.550	< 0.550
	c 1.37	< 1.37	< 1.37	< 1.37
Ethyl benzene (GDIS)	× 1.00	3	< 1.00	\$
	< 1.32	< 1.32	< 1.32	¢ 1.32
	× 1.00	≦	< 1.00	4
Nethylene Chloride	< 7.40	× 7.40	< 7.40	× 7.40

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

. -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Aralyzed. > .. indicates that the target analyte was detected at or R -- Data did not meet quality control criteria and were

rejected.

-- Sata considered anomalous based on evaluation of -3/V. P

Table 81 Groundwater Investigative Analytical Data

01/03/90 02/26/90 14.4 < 1.00 4.90	Sample 10	37430	37433	37433	37434
c	Date	05/56/90	01/03/90	02/26/90	01/03/90
control cont	Amlytes				
Color MA Color	Volatiles				
S	Nethylene Chloride (GCMS)	< 1.00	1	. 1.00	≨
(4).40 IMA < 1.40	Methylisobutyl Ketone	06° 7 >	6. %	% , , 90	× 4.90
c 1.36 c 1.36 c 1.36 c 2.00 IM c 2.00 ene c 0.750 c 0.750 c 0.750 ene c 0.750 c 0.750 c 0.750 ene c 0.750 iM c 1.00 ene c 0.750 c 1.00 iM c 1.00 ene c 0.750 c 1.00 iM c 1.47 c 1.47 A ene c 0.750 A c 1.47 c 1.47 A c 1.47 c 1.47 A ene c 0.750 A c 1.47 c 1.47 c 1.47 A ene c 0.560 c 0.560 c 0.803 A ene c 0.560 lim lim lim lim ene c 12.0 lim lim lim lim	_	< 1.40	1	· 1.40	¥
EST C 2.00 IAA C 2.00 ENTER C 0.750 C 0.750 C 0.750 ENTER C 1.00 IAA C 1.00 A 3.17 A C 1.47 C 1.47 A 2.70 A IAA IAS A E GCHS IAA IAA IAA IAA IAA IAA IAA IAA IAA IAA CCHS IAA IAA IAA IAA IAA	O, P-Xylene	< 1.36	< 1.36	< 1.36	< 1.36
ene (GDIS) < 0.750	O,P-Xylene (GOIS)	< 2.00	4	< 2.00	1
+ (COIS) + (1.00 + IM + (1.00 + 1.00 + 1.00 + 1.00 + 1.00 + 1.47 + (1.47 + 1.47 + 1.47 + 1.47 + 1.30	Tetrachloroethene	< 0.750	< 0.750	< 0.750	4 0.750
3.17 A <1.47 A 2.70 A WL 1.30 A 1.65 <0.560 0.003 A 1.65 <0.560 0.003 A 1.10 A WL 1.10 A 1.10 A WL 1.10 A 1.10 A WL 1.10 A 1.10 A WL 1.10 A	Tetrachloroethene (GDRS)	< 1.00	1	. 1.00	¥
2.70 A MK 1.30 A 1.65 < 0.560 0.803 A 1.65 < 0.560 1.10 A	Toluene	3.17 A	< 1.67	< 1.67 A	· 1.53
+ (GONS) + 1.65 < 0.560 0.803 A	Toluene (GDMS)	2.70 A	¥	1.30 A	ş
(GOIS) < 1.00 IIA 1.10 A IIA 1.10 A IIA IIA IIA IIA (GOIS) < 12.0 IIA < 12.0	Trichloroethene	1.65	· 0.560	0.803 A	× 0.560
(60%) (60%) (4.12.0 MA < 12.0	Trichloroethene (GCMS)	× 1.00	\$	1.10 A	3
(GDIS) < 12.0 IM < 12.0	Vinyl Chloride	≦	≦	≦	\$
	vinyi Chloride (GDIS)	< 12.0	≦	< 12.0	≦

- -- indicates that the target analyte was not detected at
- > -- indicates that the target amalyte was detected at or or above the Certified Reporting Limit.
 - above the Haximum Reporting Limit. NA -- Not Analyzed. R -- Data did not seet quality control criteria and were rejected.
 - A -- Data considered anomalous based on evaluation of historical data and field OA/OC procedures.

Table 81 Groundwater Investigative Analytical Data

Same 10	37434	37435	37435	37436	
Date	05/22/20	12/29/89	05/23/90	12/29/89	
Analytes					
Netals/Anions/General Chem					
Arsenic	< 2.35	< 2.35	< 2.35	≨	
Cachina	× 6.78	< 6.78	× 6.78	\$	
Calcium	85500	134000	123000	≦	
\$1.63.C	97009	120000	00006	≨	
Chromitum	< 16.8	< 16.8	< 16.8	1	
Cooper	× 18.8	× 18.8	< 18.8	ī	
	< 5.00	· 5.00	· 5.00	1	
Fluoride	1740	1730	1890	*	
5	< 77.5	\$	· 77.5	¥	
peal	* 63.6	< 43.4	< 43.4	1	
Monestius	19600	37000	37000	¥	
	10.5	1	< 9.67	≦	
	< 0.100	< 0.100	< 0.100	1	
Mitrite Mitrate Non-Specific	3700	3300	1700	200	
Potestica	0517	6510	4580	á	
en jud	100000	190000	130000	1	
States	200000	390000	290000	1	
Total Organic Carbon	2000	3000	3000	¥	

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- above the Maximum Reporting Limit. MA -- Not Analyzed. > -- indicates that the target analyte was detected at or

A -- Data did not meet quality control criteria and were

-- Data considered anomalous based on evaluation of rejected.

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- F

Table B1 Groundwater Investigative Analytical Data

Sample 1D Date	37434	37435 12/29/89	37435 02/27/90	37436 12/29/89
Analyzes				
Metals/Anions/General Chem	1	≦	ś	1
Total Suspended Solids Zinc	× 18.0	× 18.0	· 18.0	ī
	£	× 1.70	¥.1.	4
-	< 2.80	< 2.80	< 2.80	1
	× 3.60	< 3.60	< 3.60	\$
2,4,6-Trichlorephenol (eurs)	0 % ° ×	× 8.40	o , 8.40	1
2,4-01chloropherol (whs) 2,4-0imethylpherol (GDIS)	07.4 >	° 4.40	07'7 >	1
	× 176	× 176	× 176	\$
2,4-Dinitrophenol (GDS)	< 2.80	< 2.80	< 2.80	¥
2-Chlorophenol (ed.s.)	< 3.60	< 3.60	< 3.60	¥
2-Nethylpherol (GUS)	× 8.20	6.20	× 8.20	1
Z-Witrophenol (GDRS) 3-Methyl-4-Chlorophenol (GDRS)	· 8.50	8.50	× 8.50	ī
	< 2.80	< 2.80	< 2.80	ī
4-Nethylphenol (BJPs)	98.0	· %.0	· 96.0	£
4-litrophenol (GDS) Phenol (GDS)	< 2.20	< 2.20	4 2.20	≦
Senivolatiles	< 2.38	< 2.38	< 2.38	≦
1, 4-Unath are	< 27.0	< 27.0	< 27.0	1
i, a constitue (acro) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI)	0.0%00	° 0.0490	< 0.0490 <	\$

Motes: Values are reported in micrograms per liter.

Values are reported in microsymmetric profits Reported values are accurate to three significant figures.

indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Meximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

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Table 81 Groundwater Investigative Analytical Data

£	37434	37435	37435	37436
Date	05/22/20	12/29/89	05/21/90	12/29/89
Analytes				
Semivolatiles	•	·	< 18.0	ş
2,2-Bis(parachloropheny()-1,1,1-if-icnoroeculare (UDI) (w.m.s)	0.0540	× 0.0540	< 0.0540	\$
2,2-818(perachical operation 1,1-1,1916) (503)	× 14.0	< 14.0	< 14.0	ă
C.C. Bistpar Burner Gamery, 1,1 District Control of the Control of	< 5.69	< 5.69	< 5.69	\$
4-Union option from the Community of the	< 10.0	< 10.0	· 10.0	1
California de Artico de California de Califo	× 7.46	× 7.46	× 7.46	1
A This content and an incident (COS)	< 5.30	< 5,30	< 5.30	ş
	< 11.5	< 11.5	< 11.5	1
the contract of the contract o	< 15.0	< 15.0	< 15.0	≦
Aldrin	< 0.0500	< 0.0500	< 0.0500	1
Townson - I T I I	< 13.0	< 13.0	< 13.0	\$
AIGHT (GAS)	< 4.03	< 4.03	< 4.03	\$
ACTUALINE	< 5.90	< 5.90	< 5.90	*
ACTEZITIE (BLS)	× 5.00	< 5.00	× 5.00	¥
Bicyclo (2,2,1) hepta-2,5-diene	< 5.90	< 5.90	× 5.90	\$
(2017) see thousand the first (2018)	× 7.78	× 7.70	6.7.	š
	67.7	K.7.	c 7.70	\$
Chlordene	< 0.0950	< 0.0950	0.0950	ĭ

Values are reported in micrograms per liter. Hotes:

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- above the Maximum Reporting Limit. #A -- Not Armlyzed. > -- indicates that the target analyte was detected at or R -- Data did not meet quality control criteria and were
 - rejected.
 - A -- Data considered anomalous based on evaluation of hi al -- xd -- 4/C e-du

Table 81 Groundwater Investigative Analytical Data

	37434	37435	37435	37436
Sarpre 10 Date	02/27/90	12/29/89	05/21/90	12/29/89
Analytes	;		•	
Semivolatiles				:
Chiorden (GDS)	< 37.0	< 37.0	< 37.0	≨
A to the parties of t	< 5.00	< 5.00	· 5.00	1
Disput desirations	< 5.50	< 5.50	< 5.50	\$
Fight desired to the second se	× 0.0500	< 0.0500	< 0.0500	\$
Dieldrin (GDIS)	< 26.0	< 26.0	< 26.0	ī
A i a man man of the first of the conference to	3.63	15.5	10.8	¥
of the property of the first photophorate (COS)	< 21.0	< 21.0	< 21.0	ĭ
Distance of the contraction of t	< 0.188	< 0.188	1.01	1
Dimensylmenty recognisment	136	× 130	× 130	1
Dithiere	< 1.34	¥.1.	< 1.34	ĭ
	< 3.30	< 3.30	< 3,30	¥
	< 0.0500	< 0.0500	< 0.0500	a
	< 18.0	< 18.0	< 18.0	≨
Crossis (w.r.s.)	< 0.0480	0.0914	08,000 >	s
Nexachlorocyclopentadiene (GDNS)	< 54.0	< 54.0	v 54.0	1
	< 0.0510	< 0.051 0	< 0.0510	1
indept (Case)	< 7.80	< 7.80	< 7.80	¥
Melathion	< 0.373	< 0.373	< 0.373	غ

Reported values are accurate to three significant figures.

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- or above the Certified Reporting Limit.
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A -- Data did not amet quality control criteria and were

rejected.
A -- Data considered anomalous based on evaluation of historical data and field OK/CC procedures.

₁<u>,</u>

Table B1 Groundwater Investigative Analytical Data

		10/12/72
< 21.0	< 21.0	1
× 0.647	× 0.647	£
< 37.0	< 37.0	¥
< 9.10	< 9.10	ī
< 0.787	< 0.757	1
× 19.0	< 19.0	á
< 0.384	< 0.384	1
8.5 0	< 8.50	≦
< 0.760	< 0.760	≦
\$. 1.00	*
× 0.780	· 0.780	*
1	× 1.00	1
< 0.730	< 0.730	1
1	× 1.00	≦
£.1.	× 1.70	1
¥	. 1.80	≨
< 1.10 '	× 1.10	1
\$	4 1.00	\$
 21.0 0.667 9.10 9.10 19.0 19.0<!--</td--><td></td><td> 21.0 0.647 37.0 9.10 1.00 1.00<!--</td--></td>		 21.0 0.647 37.0 9.10 1.00 1.00<!--</td-->

Reported values are accurate to three significant figures. Motes: Values are reported in micrograms per liter.

... indicates that the target analyte was not detected at or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Armlyzed. > .. indicates that the target analyte was detected at or

R -- Bata aid not seet quality control criteria and were

rejected.

A -- Data considered anomalous based on evaluation of

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Table 81 Groundwater Investigative Analytical Data

į.

01 - 100-7	37434	37435	37435	37436
Date	05/21/90	12/29/89	02/27/90	12/29/89
Analytes				
Volatiles				
1.2-Dichloroethenes (cis & trans)	< 0.760	× 0.760	< 0.760	á
	< 5.00	¥¥	× 5.00	1
	A.61 A	· 1.05	10.7 A	¥
Denzene (EDE)	2.71 A	\$	9.30 A	1
Carbon Tetrachloride	× 0.990	066*0 >	< 0.990 A	≦
Carbon Tetrachloride (GDS)	× 1.00	ž	1.10 A	\$
	39.2 A	< 0.820	58.1 A	≦
Chloroberzene (GDS)	40.4 A	*	70.2 A	≦
Chloroform	64.0 A	< 0.500	214 A	ĭ
Chlanoform (GCHS)	68.0 A	£	> 150 A	≨
Pileranch organization	0.428 A	< 0.195	1.26 A	\$
Discoursh occurrence (GDS)	< 12.0 A	< 12.0	< 12.0 A	1
	< 0.550	< 0.550	< 0.550	¥
Ethy Brozene	< 1.37	< 1.37	< 1.37	1
Ethyl Benzene (COIS)	· 1.00	\$	· 1.00	1
	< 1.32	< 1.32	< 1.32	3
H-IV-love (CDIS)	× 1.00	\$	· 1.00	4
Methylene Chloride	< 7.40	< 7.40	< 7.40	≨

Notes: Values are reported in micrograms per liter.

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 or above the Certified Reporting Limit.
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- above the Maximum Reporting Limit. MA -- Mot Analyzed. R -- Data did not meet quality control criteria and were
- rejected.
 A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table B1 Groundwater Investigative Analytical Data

Somple ID Date	37434 02/27/90	37435 12/2 ^{-,} / 89	37435	37436 12/29/89
Analytes				
Volatiles	4 1.00	£	× 1.00	ź
Methylene Citics (ec.s.)	06.4 >	06"9 >	6.4 ×	1
	< 1.40	≦	< 1.40	ī
Methyllsodutyl ketone (sons)	< 1.36	< 1.36	× 1.36	≦
O,P-Xytene O,P-Xytene (GDMS)	< 2.00	≦	< 2.00	¥
;	v 0.750	< 0.750	· 0.750	\$
Tetrachloroethere	4 1.00	≦	× 1.00	£
Tetrachloroethere (GDS)	< 1.47 A	< 1.67	2.12 A	1
Toluene	1-10 A	\$	2.30 A	≨
Totuene (GUS)	0.971 A	< 0.560	1.78 A	ĭ
- The state of the	1.20 A	\$	2.30 A	\$
Trichloroethere (ed.n.)	\$	1	1	1
Vinyl Chloride (COIS)	< 12.0	≦	< 12.0	á

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. NA -- Not Analyzed.
 - R -- Dats did not meet quality control criteria and were rejected.
 - A -- Data considered anomalous based on evaluation of

Table 81 Groundwater Investigative Analytical Data

Sample 1D Date	37436 01/02/90	37436	37437 01/02/90	37437 02/28/90
Analytes				
Metals/Anions/General Chem				
Arsenic	< 2.35	< 2.35	< 2.35	< 2.35
	6.78	6.78	× 6.78	× 6.78
Calcius	124000	109000	26900	76100
Chloride	73000	76000	82000	84000
Chromium	< 16.8	< 16.8	< 16.8	< 16.8
Corner	< 18.8	< 18.8	< 18.8	< 18.8
Consider	< 5.00	< 5.00	< 5.00	< 5.00
Fluoride	1220	1350	51	1310
	ş	< 77.5	1	< 77.5
Lead	< 43.4	7.53 ×	< 43.4	< 43.4
Herresia	24.700	23200	16700	17400
Heracrete	\$	12.4	¥	× 9.67
A CONTRACTOR OF THE CONTRACTOR	< 0.100	< 0.100	< 0.100	< 0.100
Mirrite Mitrate Mon-Specific	1	2000	2400	1500
Potasium	0857	3930	3870	3240
	73000	81000	72000	75000
Sulfate	220000	220000	110000	110000
Total Organic Carbon	2000	2000	1000	1000

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

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- above the Maximum Reporting Limic. MA -- Not Analyzed. > -- indicates that the target analyte was detected at or
 - R -- Data did not meet quality control criteria and were rejected.
 - A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table 81 Groundwater Investigative Analytical Data

Sample 10 Date	37436	37436	37437 01/02/90	37437 02/28/90
mlytes				
stals/Anions/General Chem	1	3	1	¥
Total suspensed sorries Zinc	< 18.0	· 19.6	× 18.0	< 18.0
vernol s	£ .	6.1. 8.1.	£.	6.1.
2,5,6-Trichlordment (Gus)	< 2.80	< 2.80	< 2.80	< 2.80
2,4,5-ir)chichmenol (cans)	× 3.60	< 3.60	< 3.60	. 3.60
7'4'e-il-icuraducina damenta (acces)	9.50	o 7.8 ×	97.8 ×	07.8 >
2,4-Dimethylphenol (GDS)	07.7 >	· 6.40	07.4 >	07" >
· · · · · · · · · · · · · · · · · · ·	9/1 >	< 176	< 176	× 176
	< 2.80	< 2.80	< 2.80	< 2.80
S-interpretation (state)	3.60	< 3.60	< 3.60	< 3.60
Communication of the communica	× 8.20	· 8.20	× 8.20	× 8.20
Z-III (Copressor (water) 3-Nethyl-4-Chlorophenol (GDIS)	× 8.50	6.50	× 8.50	< 8.50
	4 2.80	< 2.80	< 2.80	< 2.80
	· 96.0	× 96.0	· %.0	· 96.0
News (GDS)	· 2.20	< 2.20	< 2.20	< 2.20
emivolatiles	× 2.3	< 2.38	< 2.38	< 2.38
i, 4-dwathiane	< 27.0	< 27.0	< 27.0	< 27.0
1,4-Unathlame (u.ms) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethame (001)	< 0.0490	< 0.0490 ×	< 0.0490	0.0690
•				

Values are reported in micrograms per liter. Notes:

Reported values are accurate to three significant figures.

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- above the Maximum Reporting Limit. NA -- Not Analyzed. > -- indicates that the target analyte was detected at or
 - R -- Data did not meet quality control criteria and were
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1/M P

Table 81 Groundwater Investigative Analytical Data

1

37436 37436 37437 37437 37437 37437 37437 37438 37437 37437 37437 37438 37437 37438 37437 37438 37437 37438 3743	į					
School S	Sample 10 Date	37436 01/02/90	37436 02/28/90	37437 01/02/90	37437 02/28/90	
School S	Analytes					
 6.0540 6.0540 14.0 14.0 14.0 15.69 16.0 16	Semivolatiles	9	0.41	× 15.0	< 15.0	
(5018) < 14.0	3is(parachlorophenyl)-1,1,1-Trichloroethane (DDI) (GLNS)	0.61	0,0540	< 0.0540	< 0.05 40	
 5.69 5.69 5.60 10.0 10.0<td>Bis(parachloropheny()-1,1-Dichloroethene (uuc)</td><td>< 14.0</td><td>< 14.0</td><td>< 14.0</td><td>< 14.0</td><td></td>	Bis(parachloropheny()-1,1-Dichloroethene (uuc)	< 14.0	< 14.0	< 14.0	< 14.0	
(GDIS) < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 10.0 < 7.46 < 7.46 < 7.46 < 7.46 < 7.46 < 7.46 < 7.46 < 7.46 < 7.46 < 7.46 < 7.46 < 7.46 < 7.46 < 7.46 < 7.46 < 7.11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5 < 11.5	Bis(parachlorophenyl)-1,1-Dichloroethene (but) (buts)	69-5 >	< 5.69	< 5.69	69.6	
cytes < 7.46 < 7.46 < 7.46 ophenylmethyl Sulfore (GDRS) < 5.30 < 5.30 < 5.30 ophenylmethyl Sulfore (GDRS) < 11.5 < 11.5 < 11.5 ophenylmethyl Sulfoxide < 15.0 < 15.0 < 15.0 ophenylmethyl Sulfoxide < 13.0 < 15.0 < 15.0 (GDRS) < 13.0 < 13.0 < 15.0 me (GDRS) < 4.03 < 4.03 < 4.03 x (GDRS) < 5.00 < 5.00 < 5.00 x (GDRS) < 5.00 < 5.00 < 5.00 x (GDRS) < 5.00 < 5.00 < 5.00 x (GDRS) < 7.70 < 7.70 < 7.70 x (GDRS) < 7.70 < 7.70 < 7.70 x (GDRS) < 2.00 < 2.00 < 2.00 x (GDRS) < 7.70	lorophenylmethyl Sulfide Lorophenylmethyl Sulfide (GDMS)	× 10.0	< 10.0	< 10.0	< t0.0	
cycleary lawethy! Sulforme < 5.30	•	27.5	< 7.46	× 7.46	< 7.46	
cybery lawethy! Sulfore (GDRS) < 11.5	clorophenylmethyl Sulfone	S 5 4	< 5.30	< 5.30	< 5.30	
caphenylamethyl Sulfoxide < 15.0	lorophenylmethyl Sulfore (GDS)	2115	× 11.5	< 11.5	< 11.5	
Code	lorophenylmethyl Sulfaxide	0.51 /	< 15.0	< 15.0	< 15.0	
(GDIS) < 13.0	Lorophenyimethyl Sulfaxide (GDMS) in	0.050.0 ×	< 0.0500	< 0.0500	< 0.0500	
S	ï	, ,	< 13.0	< 13.0	< 13.0	
(GDIS) <pre> <pre>cable azole (2,2,11 hepta-2,5-cleme</pre></pre>	in (GDS)		£ 4 .03	< 4.03	< 4.03	
hepta-2,5-diene <5.00 <5.00 <5.00 <5.00 <5.00 <5.00 <5.00 <5.00 <5.00 <7.00 <7.70 <7.70 <7.70 <7.70 <7.70 <7.70 ×7	zine	8 8	8.5	× 5.90	< 5.90	
65.90	zine (GOIS)	2 5	\$ 2°00	< 5.00	· 5.00	
07.7	iothiazole pelo (2,2,1) hepta-2,5-ciene	\$ 2.90 \$ 5.90	< 5.90	< 5.90	< 5.90	
< 7.70< 7.70< 7.70< 0.0950< 0.0950< 0.0950		£ 1.	< 7.70	or.7 >	٨.٢ ٠	
0.0950 < 0.0950 < 0.0950 >	(2-Ethylhexyl) Phthalate (GDS)	E 2 >	o. 7. 70	< 7.70	or.7 ,	
	olectes (GDS)	0560*0 >	< 0.0950	< 0.0950	< 0.0950	

Notes: Values are reported in micrograms per liter.

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- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed. R -- Data did not meet quality control criteria and were
 - rejected.
 A -- Data considered anomalous based on evaluation of historical data and field OA/OC procedures.

Table 81 Groundwater Investigative Analytical Data

Sample 1D Date	37436	37436 02/22/90	37437 01,702,790	37437
Analytes				
Semivolatiles	< 37.0	< 37.0	< 37.0	< 37.0
ניווסיסייי (ענייט)	< 5.00	< 5.00	< 5.00	5.00
	< 5.50	< 5.50	< 5.50	5.50
Dicyclopentages (uppg)	0.0468	< 0.0500	0.0744	0.0693
Dieldrin (GDS)	· 26.0	< 26.0	× 26.0	¢ 28.0
	< 0.392	2.15	< 0.392	< 0.392
DISCORDAN MECHANISM CONTRACTOR CO	< 21.0	< 21.0	< 21.0	< 21.6
Ditse ropy! Methylphosphomics (warm)	< 0.186	< 0.188	< 0.158	< G. 188
Dimetaylmetayl Prosporories	× 130	× 130	< 130	× 130
Dimethylaethyl Frospromie (m.c.) Dithiane	4.1%	× 1.34	× 1.34	¥:, ^
	8 5	< 3.30	< 3.30	< 3.30
Dithiere (GJS)	· 0.0500	< 0.0500	< 0.0500	< 0.0500
Endrin	4 18.0	€ 18.9	× 16.0	· 18.0
Endrin (60%)	0 0 0 0	00,000	× 0.0480	× 0.0480
Nexachlorocyclopentagiene (60%)	, X. c	< St.0	0.X.	o. 35. ^
	< 0.0510	< 0.0510	< 0.9510	< 0.0510
i sour in	4 7.80	< 7.80	< 7.80	< 7.80
isoprin (62/5) Netsthion	< 0.373	< 0.373	< 0.373	< 0.373

Reported values are accurate to three significant figures.

- < -- indicates that the target analyte was not detected at or above the Sertified Reporting Limit.
- above the Maximum Reporting Limit. MA -- Not Ansiyzed. > -- indicates that the target analyte was detected at or R -- Data did not meet quality control criteria and were
 - A -- Cata considered anomalous based on evaluation of rejected.

> : ! **ም**, ; a

Table 81 Groundwater Investigative Analytical Data

Sample 15 Date	37436 01/02/90	37436 02/28/90	37437 01/02/90	37437 02/28/90
Analytes				
Semivolatiles				;
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathigs	< 0.647	< 0.647	< 0.647	< 0.647
Parathion (COIS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentach coopenol (GDIS)	< 9.10	< 9.10	< 9.10	< 9.10
suodns.	< 0.787	< 0.787	< 0.787	< 0.787
Surrow (CDS)	< 19.0	< 19.0	< 19.0	< 19.0
Vancous	< 0.364	< 0.384	< 0.384	< 0.384
Vapone (GDIS)	< 8.50	< 6. 50	< 8.50	× 8.50
Volatiles				
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GCMS)	¥	· 1.00	*	. 1.80
1,1,2-Trichloroethene	< 0.780	< 0.780	< 0.780	< 0.780
1,1,2-Trichloroethame (GDIS)	≦	. 1.00	≦	· 1.83
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730	< 0.730
1.1-Dichloroethane (GDS)	ž	* 1.00	\$	× 1.00
1.1-Dichloroethere	× 1.8	٠1.ð	۲.1°	× 1.70
1_1-Dichleroethere (GDS)	\$	< 1.00	1	· 1.00
1.2-Dichloroethane	< 1.10	< 1.10	< 1.10	< 1.10
1,2-Dichloroethane (GCMS)	≦	< 1.00	¥	· 1.00

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 - g -- Data did not meet quality control criteria and were rejected.
 - A -- Data considered anomalous based on evaluation of historical data and field GA/QC procedures.

!	37436	37436	37437	37437	
Sample 10	01/05/90	05/28/90	01/05/90	05/58/90	
112					
Analytes					
	0 %	0° 2'00 ×	0.760	< 0.760	
	3	× 5.00	≦	< 5.00	
1,2-Dichloroethenes (cis & trans) (wins)	i 29	,	· 1.05	2.16	
Berzere	•	. 1.00	1	. 1.00	
Benzene (GZNS) Carbon Tetrachloride	066.0 >	< 0.990	< 0.990	× 0.990	
	1	• 1.00	*	· 1.00	
Carbon Tetrachloride (GDRS)		11.0 A	< 0.820	42.8 A	
Chlorobenzene		V 29.6	≦	17.3 A	
Ch(ordberzene (GDIS)	i	15.1 A	< 0.500	V 6.07	
Chloroform (2015)	1	12.0 A	1	27.0 A	
		Š	25	0.302 A	
Dibramach Loropropene	C 0.193	4 12 0	< 12.0	< 12.0 A	
Dibramachlorapropane (GCMS)	0.21 >	0.550	< 0.550	< 0.550	
Dimethyl Disulfide	21.17	< 1.37	< 1.37	< 1.37	
Ethyl Benzene	1	v 1.00	1	· 1.00	
			;	£ ,	
	< 1.32	~ 1.3 2	× 1.32	X:-	
	1	, 1.00	\$	× 1.00	
N-Tylene (surs.) Nethylene Chloride	c 7.40	× 7.40	< 7.40	< 7.40	

Recorded values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed.

g -- Data did not meet quality control criteria and were

rejected.
A -- Data considered anomatous based on evaluation of

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Table 81 Groundwater Investigative Analytical Data

<u> </u>	37436	37436	37437	37437	
Date	04/20/10	05/92/20	01/02/90	05/58/90	
alytes					
latiles	\$	5	a	4 1.00	
Nethylene Chloride (GCIS)	i 6 7 v	8.7 >	4.90	× 4.90	
Methyllsoburyl ketone	≦	< 1.40	±	< 1.40	
rcyt ketore	× 1.×	× 1.36	< 1.36	c 1.36	
O,P-Xy,cate O,P-Xy(ene (GOIS)	¥	< 2.00	≦	· 2.00	
	· (750	< 0.750	< 0.750	< 0.750	
	≦	• 1.00		• 1.00	
	< 1.67	< 1.67	< 1.47	< 1.67	
	1	* 1.00	≦	. 1.00	
lottere (surs.) Trichloroethere	< 0.560	< 0.560	< 0.560	622.0	
T. S. D. D. C.	á	· 1.00	1	٠ 1.00	
I LING OFFICE COMP.	ā	1	\$	≦	
Vinyt Chloride (601S)	.	< 12.0	\$	< 12.0	

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

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- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. PA -- Not Analyzed. R -- Data did not meet quality control criteria and were
- rejected.

 1 -- Data considered anomalous based on evaluation of historical data and field DA/OC procedures.

	37438	37438	37439	37439
Date	01/22/90	05/28/90	01/52/10	03/01/90
Analytes				
Marele/Anime/Canaral Chem				
	< 2.35	< 2.35	< 2.35	< 2.35
	¢ 6.78	6.78	< 6.78	6.73
	90299	00999	83600	104000
tire to	~	280000	~	200000
Chronica	< 16.8	< 16.8	< 16.8	< 16.8
	**************************************	< 18.8	< 18.8	< 18.8
the state of the s	< 5.00	< 5.00	< 5.00	< 5.00
		2/07	~	0757
	3	< 77.5	1	<i>< 77.5</i>
pearl	< 43.4	< 43.6	< 43.6	< 43.4
	19300	21200	. 50400	28200
	*	· 9.67	ĭ	8.8
	< 0.100	< 0.100	< 0.100	< 0.100
mission mirrate Man-Concific	2300	0067	3000	1800
Potestien	2600	0092	3290	3810
	300000	260000	180000	150000
	~	170000	~	180000
Total Organic Carbon	· 1000	2000	· 1000	2002

Reported values are accurate to three significant figures. Notes: Vs ues are reported in micrograms per liter.

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- above the Maximum Reporting Limit. MA -- Not Armelyzed. > -- indicates that the target analyte was detected at or
 - R -- Data did not meet quality control criteria and were rejected.
 - A -- Data considered anomalous based on evaluation of

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Sample 1D Date	37438 01/25/90	37438	37439	37439	
Analytes					
eneral C	. 18.0 18.0	18.0	. 16.0	^ 18.0	
Phenois 2 3 d-Trichlonophenol (GDIS)	K.1.	¢ 1.70	× 1.8	× 1.78	
	< 2.80	< 2.80	< 2.80	< 2.80	
2 t. A. Trichlorophenol (GDS)	< 3.60	< 3.60	< 3.60	· 3.60	
	•	07 0 7	07 .	07 8 7	

8.40 07.7 >

< 3.60 < 8.40 97.7 >

3.60 **8.40** × 4.40

< 8.49

2,4-Dichlorophenol (GONS) 2,4-Dimethylphenol (GORS)

2,4-Dinitrophenol (GDS) 2-Chlorophenol (GOIS) 2-Hethylphenol (GDIS)

4.40

< 2.80 **3.60**

< 2.80 < 3.60 < 8.20 × 8.50

< 2.30 < 3.60 < 8.20 × 8.50

< 2.80 < 3.60 × 8.20 × 8.50

321 ×

< 176

3/1 ×

> 176

8.8

6.30

< 2.80 **6 %.0**

< %·0

< 2.80

< 2.80 < 96.0

6.96.0

< 2.80

3-Hethyl-4-Chiorophenol (GDIS)

2-Nitrophenol (GDIS)

4-Nethylpherol (GDIS) 4-Hitrophenci (GDIS)

< 2.20

Motes: Values are reported in micrograms per liter.

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37439 03/01/90	
574.39	
37438	
37438	
Semple 10 Date	•

Analytes

Semivolatiles	· 16.0	< 18.0	· 16.0	· 18.0
Z,z-818(parachtor opening) 1, 1, 1, 1 to the common	< 0.0540	< 0.0540	0,0540	< 9.0540
(SECT) (SECTION CONTRACT) 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	< 14.0	× 14.6	< 16.0	< 14.0
2,2-Bis(perachlorophenyl)-1,1-01catorumane (bot) (www.)	69°5 >	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide (60KS)	< 10.0	< 10.0	0.01 >	< 10.0
	4.7.46	× 7.46	× 7.46	× 7.46
6-Chloropheny Lacuny Lacune (Chicae Control	65.30	< 5.30	< 5.30	< 5.30
4-Chlorophernyl Bernyl autom (wins)	< 11.5	< 11.5	< 11.5	< 11.5
6-Chlorophenytischyl surfanios	4 15.0	< 15.0	< 15.0	< 15.0
4-Chlorophery/latery/ surroxine (was) Aldrin	× 0.0500	1170.0	< 0.0500	< 0.0500
	< 13.0	< 13.0	< 13.0	< 13.0
Atdrin (60%)	× 4.03	< 4.03	< 4.03	< 4.03
Atrastne	× 5.90	< 5.90	< 5.90	< 5.90
Atrazine (GDS)	× 5.00	× 5.00	< 5.00	× 5.00
Bergothiazota Bicyclo (2,2,1) hepta-2,5-diene	10.4	< 5.90	< 5.90	· 5.90
	Ø.7 >	67.7	× 7.70	× 7.70
	< 10.0	or.7 >	< 10.0	2.7.
Caprot action (techs)	< 0.0950	< 0.0950	< 0.0950	< 0.0950

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- or above the Certified Reporting Limit.
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 - rejected.
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37439 03/01/90

Analytes

mivolatiles	< 37.0	< 37.0	< 37.0	< 37.0
Chlordane (GDRS)		< 5.00	< 5.00	× 5.00
Dicyclopentadiene	95'5 >	< 5.50	< 5.50	< 5.50
Dicyclopentadiene (GUS)	0,150	0.127	0.0541	< 0.0500
Dieldrin Dieldrin (GDKS)	< 26.0	< 26.0	· 26.0	< 26.0
	15.57	3.47	2.07	2.54
Diisaprapyi Methylphosphonate	× 21.0	< 21.0	< 21.0	< 21.0
Diisopropyl Methylphosphonale (GLMS)	181 o >	< 0.188	< 0.188	< 0.188
Dimethylmethyl Phosphonete	51.3	× 130	× 35	, 130
Dimethylmethyl Phosphonate (GLTS) Dithiane	¥.1.>	× 1.3%	× 1.34	¢ 1.3k
	3.50 5.50	< 3.39	< 3.30	< 3.30
Dithiene (GDS)	00200 >	× 0.0500	< 0.0500	· 0.0500
Endrin	6 ST >	< 18.0	< 18.0	× 18.6
Endrin (GDS)	00700	< 0.0480	< 0.0480 ×	< 0.0480
Nexach lorocycl operited ene Nexach lorocycl operitadiene (GDIS)	0.17.	· 54.0	× 54.0	o. ¥. ^
•	0.0510	< 0.0510	< 0.0510	< 0.0510 ·
Isodrin	< 7.80	< 7.80	< 7.80	< 7.80
Isodrin (GJAS) Malathion	< 0.373	< 0.373	< 0.373	< 0.373

Values are reported in micrograms per liter. Hotes:

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37439	93/01/90
37439	01/25/90
37438	05/58/90
37438	01/25/90
•	
	Date

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Date	W/67/10			
alytes				
mivolatiles	¢ 21.0	< 21.0	< 21.0	< 21.0
Perathion	< 0.647	< 0.647	< 0.647	< 0.647
Parathian (GOTS)	< 37.0	< 37.0	< 37.0 < 0.10	< 9.10 < 9.10
Pentachtorophenol (GDIS)	6 9. 19 787	6.787 c 6.787	c 0.787	< 0.787
	9 01 7	< 19.0	< 19.0	< 19.0
Supare (GDS)	75% 0 9	6.364	< 0.384	< 0.384
Vapone (GDIS)	8.30	< 8.50	. 8.50	< 8.50
signifes .	0.77	6.760 ×	< 0.760	< 0.760
1,1,1-Trichtoroethane		1.00	× 1.00	· 1.00
1,1,1-Trichloroethane (GDIS)		0.780	< 0.780	< 0.780
1, 1, 2-Trichloroethane		41.00	× 1.00	. 1.00
1,1,2-Trichloroethare (GDS) 1,1-Dichloroethare	< 0.730	< 0.730	< 0.730	< 0.730
	, 1.80	× 1.00	< 1.00	. 1.00
1,1-Dickloroethane (GDS)	R.L.	× 1.70	× 1.70	£.1.≯
1, 1-Dichlaroethere	001	. 1.00	. 1.90	× 1.00
1, 1-bickloroethere (4JPS)	01-T >	< 1.10	< 1.10	< 1.10
1,2-Dichloroethame (GDIS)	< 1.00	< 1.00	< 1.00	· 1.00

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 - > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.
- above the Naximum Reporting Limit. MA -- Not Armlyzed. R -- Data did not meet quality control criteria and were
 - A -- Data considered anomalous based on evaluation of historical des and cald the modernia rejected.

	37438	37438	37439	37439
	01/25/90	05/58/90	01/22/90	03/01/90
Analytes				
Volatiles	67E 6	072 8 7	0.760	× 0.760
1,2-Dichloroetheres (cis & trans)	00.0		\$ 2° 00°	< 5.00
1,2-Dichloroethenes (cis & trans) (GUS)	8 5	8.46 A	25.8 A	2.99 A
Benzere	8.83	6.59 A	12.4 A	1.16 A
Denzene (GCMS) Carbon Tetrachloride	12.7 A	· 0.990	1.86 A	× 0.990
	5.23 A	× 1.00	1.38 A	· 1.00
Carbon letrachioride (Muss)	0 01	103 A	180 A	73.4 A
Chiorobenzene	× 150 ×	84.6 A	125 A	23.1 A
Chlorobenzene (4075)	1200 A	160 A	4 70 Y	75.1 A
Chloroform (COMS)	> 150 A	> 150 A	A 021 ~	30.0 A
	¥ 20 £	£ .	0.842 A	0.539 A
	4 0 57 8	< 12.0 A	< 12.0 A	< 12.0 A
Dibromochloropropine (GDS)	25.0 >	< 0.550	< 0.550	< 0.550
Dimethyl Disulfide	< 1-37	< 1.37	< 1.37	< 1.37
Ethyl Benzene Ethyl Benzene (GDIS)	1.20	. 1.00	< 1.00	· 1.00
	413	41.32	· 1.32	< 1.32
M-Xyl ene	90.1.0	× 1.00	· 1.00	. 1.00
H-Xylene (GDNs) Methylane Chloride	o 7.40	× 7.40	o 7. 7.	< 7.40

Motes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

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- -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. NA -- Not Analyzed.
 R -- Data oid not meet quality control criteria and were
 - rejected.
 A -- Data considered anomalous besed on evaluation of historical data and field QA/OC procedures.

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37439 03/01/90

37439	01/25/90
37438	05/58/90
37438	04/52/10
Sample 10	Date

	\$	5	8	× 1.00
Methylene Chloride (GDKS)	8.1 ×	3:	3:	! !
	06.4 ×	06.7 >	× 4.90	06.4 ×
March Jackson February (2785)	< 1.40	· 1.40	< 1.40	< 1.40
o parallel and the second of t	· 1.36	× 1.36	× 1.36	× 1.36
O,F-Kylene (GOKS)	1.8	< 2.00	< 2.00	< 2.00
	1,66 A	< 0.750	< 0.750	< 0.750
	< 1.00 A	4 1.00	4 1.00	< 1.00
Telement ocurane (com)	< 1.67	2.22 A	3.42 A	< 1.47
	7.50	2.80 A	3.00 A	· 1.00
Trichlorcether	19.1 A	2.36 A	5.48 A	0.619
Trichloroethene (GCMS)	12.0 A	2.30 A	A 05.2	× 1.00
Vinyl Chloride Vinyl Chloride (GCIS)	**************************************	< 12.0	< 12.0	< 12.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures. < -- indicates that the target analyte was not detected at

-- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

or above the certifical reporting control of the control of the carget analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

rejected.
A -- Data considered anomalous based on evaluation of

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37441	03/01/90	
37441	04/62/10	
37440	03/01/90	
37440	01/22/90	
	_	
	Sample 10	Date

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itals/Anions/General Chem	, , , , , , , , , , , , , , , , , , ,	< 2.35	< 2.35	< 2.35
Arsenic	£.6.7	6.78	× 6.78	< 6.78
Cachrium	007/2	81200	114000	102000
Calcium		96000	æ	23000
Chloride	× 16.8	< 16.8	< 16.8	< 16.8
	**************************************	× 18.8	× 18.8	× 18.8
Copper	\$ 2.00 \$ 5.00	< 5.00	< 5.03	< 5.00
Cyanide		1360	œ	1230
Fluoride	.	< 77.5	\$	· 77.5
Iron	< 43.6	< 43.4	< 43.4	< 43.4
	50077	17100	20000	19900
Magnesium		29 0 7	*	× 9.67
Manganese		, 0.100	< 0.100	< 0.100
Kercury	1700	2000	9200	810
Mitrite, Mitrate Mon-Specific Potacnium	0£07	0262	0594	0757
	M2000	00000	92000	78060
Sodium	•	120000	*	160000
Sulfate Total Organic Carbon	× 1000	5000	· 1009	2000

Notes: Values are reported in micrograms per liter.
Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. NA -- Not Analyzed. R -- Data did not meet quality control criteria and were
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historical data and field QA/QC procedures.

37441	03/01/90
37441	01/29/90
37440	03/01/90
37440	01/25/90
Sample 10	. •
Sa	Date

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Metals/Aniors/General Chem	1	3	≨	≨
Tine	× 18.0	< 18.0	< 18.0	< 18.0
Phenols				
2.3.6-Trichlorophenol (60MS)	5.1.2	× 1.78	۰ 1.73	s.1.
	< 2.80	< 2.80	< 2.80	< 2.80
	< 3.60	< 3.60	× 3.60	< 3.60
. 75	· 8.40	o 7.8 >	o y .8 >	8.4 0
2,4-Dimethylphenol (GCMS)	07"7 >	07.7 >	05"4 >	07.7 >
2.4-Dinitrankerol (6085)	4 i 76	< 176	< 176	× 176
2-Chi orachenol (GDIS)	< 2.80	< 2.80	< 2.80	< 2.80
2-Methyloberol (GDIS)	< 3.60	< 3.60	< 3.60	× 3.60
2-litrachenol (GDS)	6.20 •	× 8.20	< 8.20	6.20
3-Nethyl-4-Chlorophenol (6245)	< 8.50	< 8.50	< 8.5 0	× 8.50
(SICS) [one-the-year)	< 2.80	< 2.80	< 2.80	< 2.80
4-Hitcorhenal (GDS)	· 96.0	· 96.0	· %.0	· %·0
Phenol (GDIS)	4 2.20	¢ 2.20	< 2.20	< 2.20
Semivolatiles			•	
1,4-Oxathiane	< 2.38	< 2.38	< 2.38	< 2.38
1,4-Oxathiane (GOIS)	< 27.0	< 27.0	< 27.0	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (001)	< 0.0490	× 0.0490	< 0.0490	× 0.0490

Reported values are accurate to three significant figures. < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Analyzed. > -- indicates that the target amalyte was detected at or

R -- Data did not meet quality control criteria and were

A -- Data considered anomalous based on evaluation of rejected.

Table 81 Groundwater Investigative Analytical Data

Sample ID Date	37440 01/25/90	37440	37441 01/29/90	37441 03/01/90
Analytes				
Semivolatites	C 47	< 18.0	< 18.0	< 18.0
2,2-Bis(perachloropheryl)-1,1,1-Trichloroethane (UUI) (UUIs)	0.00	< 0.0540	< 0.0540	< 0.0540
2,2-Bis(parachlorophenyl)-1,1-Dichloroethere (UUE)	0.41.	< 14.0	< 14.0	< 14.0
•	69.5 >	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide 4-Chlorophenylmethyl Sulfide (GCMS)	o.0t >	< 10.0	< 10.0	< 10.0
	77.66	× 7.46	× 7.46	< 7.46
4-Chlorophenylmethyl Sulfone	2 S	05.55 ×	< 5.30	< 5.30
	0 v	× 11.5	< 11.5	< 11.5
4-Chiorophenyimethyl Sulfaxide		< 15.0	< 15.0	· 15.0
4-Chlorophenylmethyl Sulfoxide (GDNS)	< 0.0500	< 0.0500	< 0.0500	< 0.0500
	6	11	< 13.0	< 13.0
Aldrin (GDIS)	0.51 >	\$ 6 .03	< 4.03	< 4.03
Atratine	5	< 5.90	· 5.90	5.90
Atrazine (GCMS)		× 5.00	< 5.00	< 5.00
Benzothiazole Bicyclo (2,2,1) hepta-2,5-diene	< 5.90	× 5.90	< 5.90	6.3
	27.70	× 7.70	ል.7 >	٠.7 >
Bis (2-Ethylhexyl) Phthalate (GCMS)	× 10.0	× 7.70	< 10.0	6.7.v
Caprolactam (GDKS) Chlordene	< 0.0950	< 0.0950	< 0.0950	0560"0 >

Notes: Values are reported in micrograms per liter.
Reported values are accurate to three significant figures.
< -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or
above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/OC procedures.

	37440	37440	37441	37441
Date	01/25/90	03/01/90	04/62/10	03/01/90
Analytes				
Semivolatiles			ļ	ŗ
Chi andene (GTM)	< 37.0	< 37.0	< 37.0	0.76 >
	· 5.00	< 5.00	· 5.00	· 5.00
	< 5.50	< 5.50	< 5.50	< 5.50
Dicyclopentagiene (acre)	< 0.0500	< 0.0500	< 0.0500	< 0.0500 <
Dieldrin (GDS)	< 26.0	< 26.0	< 26.0	· 26.0
	< 0.392	< 0.392	< 0.3%2	< 0.392
annount international internat	\$ 21.0	< 21.0	< 21.0	< 21.0
Disapropyt Wetnythoughnouse (wars)	60.188	< 0.188	< 0.188	< 0.188
Dimethylmethyl Programmie	\$ <u>\$</u>	× 130	× 130	× 130
Dithiane	¢1.3k	¥.1.4	< 1.3k	× 1.34
	8. S. A	< 3.30	< 3.30	< 3.30
	0.0500	· 0.0500	< 0.0500	× 0.0500
	4 18.0	< 18.0	< 18.0	< 18.0
Endrin (GDS)	0070 0 >	× 0.0480	× 0.0480	< 0.0480
Resection of the second of the	0.35 >	, x.o	· 54.0	^ %.0
	< 0.9510	< 0.0510	0.0510	< 0.0510
i podrin	× 7.80	< 7.80	< 7.80	< 7.80
isoorin (w.rs.) Melethion	< 0.373	< 0.373	< 0.373	< 0.373

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- above the Maximum Reporting Limit. MA -- Not Aralyzed. > -- indicates that the target analyte was detected at or
 - R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of **

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Sample 10	37440	37440	37441	37441
Date	01/25/90	03/01/90	01/29/90	03/10/50
Unlytes				
emivolatiles				
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	< 0.647	< 0.647	< 0.647
Parathion (GDIS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GCMS)	< 9.10	< 9.10	< 9.10	< 9.10
Supprise	< 0.787	< 0.787	< 0.787	< 0.757
Sicon suding	· 19.0	· 19.0	< 19.0	< 19.0
Vapora	< 0.384	< 0.384	< 0.384	< 0.384
Vapora (GCIS)	· 8.50	< 8.50	< 8. 50	× 8.50
olatiles				
1,1,1-Trichloroethane	< 0.760	× 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GCMS)	.1.00	• 1.00	• 1.00	· 1.00
1,1,2-Trichloroethane	< 0.780	< 0.780	× 0.780	< 0.780
1,1,2-Trichloroethene (GOIS)	· 1.00	• 1.00	· 1.00	5.1.8
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730	< 0.730
1,1-Bichtoroethane (GDIS)	· 1.00	.1.00	< 1.00	· 1.00
1,1-Dichloroethene	د.1.	× 1.70	s.1.70	s.1.3
1,1-Dichloroethere (GCMS)	× 1.00	· 1.00	· 1.00	. 1.00
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10	4 1.10
1,2-Dichtoroethane (GCHS)	· 1.00	< 1.00	· 1.00	* 1.00

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

rejected.
A -- Data considered anomalous based on evaluation of

3

 Data considered anomalous based on evaluation historical data and field QA/QC procedures.

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Table 81 Groundwater Investigative Analytical Data

Sample 10	37440	37440	37441	37441
Date	04/07/10	27,0750		
Analytes				
Volatiles				. 072 4
1 2-nicklocoethenes (cis & trans)	< 0.750	< 0.760	· 6.760	8.6
	< 5.00	· 5.00	× 5.00	< 2.00 < 5.00
TO DELINERES	30.6 A	× 1.05 A	41.3 A	1.65
	12.4 A	0.930 A	9.30 A	. 1.00
Sentens (u.m.s) Carbon Tetrachloride	2.57 A	< 0.990	3.09 A	066*0 >
	1.56 A	· 1.80	2.20 A	< 1.00
	A 291	14.9 A	130 A·	× 0.820
	115 A	22.1 A	115 A	· 1.00
	V 022	18.4 A	A 088	< 0.500
Chteroform (COS)	> 150 A	24.0 A	> 150 A	× 1.80
	A 707 0	< 0.195	1.27 A	< 0.195
	< 12.0 A	< 12.0	< 12.0 A	< 12.0
Dibramochloropropere (6Uns)	. 0.550 •	< 0.550	< 0.550	< 0.550
Dimethyl Disuktide	× 1.77	< 1.37	< 1.37	< 1.37
Ethyl Benzene (60%)	× 1.00	< 1.00	. 1.00	4 1.00
1	41.2	¢ 1.32	< 1.32	c 1.32
H-Aytene	, 1.6	* 1.00	• 1.00	. 1.00
M-Kyrene (MJNS) Methylene Chloride	oy.7 >	< 7.40	< 7.40	< 7.40

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Reported values are accurate to three significant figures. Motes: Values are reported in micrograms per liter.

< -- indicates that the target analyte was not detected at

> -- indicates that the target analyte was detected at or or above the Certiffied Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Aralyzed. g -- Date did not meet quality control criteria and were

A -- Data considered anomalous based on evaluation of rejected.

Sample 10	37440	37440	37441	37441
Date	04/52/10	03/01/90	01/29/90	03/01/90
Analytes				
Waltiles	; ; ; ; ;			
Methylene Chloride (GDIS)	× 1.80	< 1.00	· 1.00	. 1.00
Methyl isobutyl Ketone	6.7 ×	o	06.4 ×	° 4.90
Methyl schutyl Ketone (GOBS)	· 1.40	< 1.40	< 1.40	< 1.40
	¥.1.3	< 1.36	< 1.36	< 1.36
O,P-Iylene (GDIS)	4 2.00	< 2.00	< 2.00	< 2.00
Terrachicmethene	× 0.750	< 0.750	< 0.750	< 0.750
Tetrachiomethere (COS)	· 1.00	· 1.00	1.02	. 1.00
	¥ 60.7	< 1.47	V 22.7	< 1.47
Tolume (EDIS)	2.80 A	< 1.00	3.30 A	. 1.60
Irichlorethere	5.51 A	· 0.560	7.76 A	< 0.560
Trichloroethene (GCMS)	3.80 A	· 1.00	4 06.4	< 1.00
Vinyl Chloride	1	\$	ī	1
Vinyl Chloride (GCMS)	< 12.0	< 12.0	< 12.0	< 12.0

Values are reported in micrograms per liter. Notes:

< -- indicates that the target analyte was not detected at Reported values are accurate to three significant figures. or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Analyzed. > -- indicates that the target analyte was detected at or

R -- Data did not meet quality control criteria and were rejected.

A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

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Table 81 Groundwater Investigative Analytical Data

Sample ID Date	37441 06/12/90	37442 63/02/90	37442	37443 03/01/90
Analytes				
Netals/Anions/General Chem				
Arsenic	< 2.35	< 2.35	< 2.35	< 2.35
Cadhius	× 6.78	× 6.78	6.73	s 6.78
Calcius	113000	119000	118060	93500
Chloride	24000	140000	91006	130000
Chronium	< 16.8	< 16.8	× 16.8	< 16.8
Copper	< 18.8	* 18.8	< 15.8	< 18.8
Cyanide	•	< 5.00	~	< 5.00
Fluoride	1020	2020	1850	2430
Iran	\$	< 77.5	\$	< 77.5
Load	< 43.4	* 43.4	< 43.4	· 43.4
Megrasius	20102	29400	26400	26900
Nargenese	ā	36	\$	15.3
Hercury	1.6	< 0.100	0.210	< 0.100
Mitrite, Mitrate Mon-Specific	6100	2700	1300	7100
Potaesium	3410	3770	2770	0107
	73000	00066	95000	26100
Sulfate	160000	150000	150000	210000
Total Organic Carbon	2000	2000	3000	0002

Notes: Values are reported in micrograms per liter.

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- rejected. A -- Data considered anomalous based on evaluation of
 - .. Data considered anomalous based on evalua

37443

37442

37442 03/02/90

37441

Sample 10 Date

1

Metals/Anions/General Chem				
Total Suspended Solids	¥	\$	ī	≦
Zinc	< 18.0	< 18.0	· 18.0	< 18.0
2 3 6-Trichlocoperol (GDS)	c.1.70	× 1.70	× 1.70	٠1.7
2.4.5-Trichlarachenol (60%)	< 2.80	< 2.80	< 2.80	< 2.80
2.4.6-Trichlorational (605)	< 3.60	× 3.60	< 3.60	× 3.60
2 4-bichlorombonol (GDS)	× 8.40	· 8.40	× 8.40	< 8.40
2,4-Dimethylphenol (GDIS)	07.4 >	07.7 >	× 4.40	07'7 >
2.4-Dinitroplend (62)5)	4 176	4 176	× 176	× 176
2-Choracherol (GDS)	< 2.80	· 2.80	< 2.80	< 2.80
2-liethdribern (COS)	× 3.60	× 3.60	< 3.60	< 3.60
2-litrodenol (GDS)	8.20	8.20	8.2 0	< 8.20
3-Hethyl-4-Chlorophenol (GDIS)	8.50	< 8.50	× 8.50	6.50
(SKE) [maturity]	× 2.80	< 2.80	< 2.80	< 2.80
(-Mitraphenol (GDS)	· 96.0	· %.0	· 96.0	< 96.0
Phenol (GOIS)	< 2.20	· 2.20	< 2.20	< 2.20
Semivolatiles 1 4-frathiese	^ 2.3	< 2.38	< 2.38	< 2.38
1 4-Crathisme (GDS)	< 27.0	< 27.0	< 27.0	< 27.0
2,2-Bis(parachloropheryl)-1,1,1-Trichloroethane (DDI)	< 0.0490	< 0.0490	× 0.0490	0.0490 >

Notes: Values are reported in micrograms per liter.

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- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed.
 - R -- Data did not meet quality control criteria and were rejected.
 - A -- Data considered anomalous based on evaluation of historical data and field OA/OC procedures.

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Sample ID Date	37441	37442	37442 06/12/90	3743
Analytes				
Semivolatiles	< 18.0	< 18.0	· 18.0	× 18.0
2,2-Bis(parach(orophenyt)-1,1-i-i-icatoacomme (op) (ob)	· 0.0540	< 0.0540	< 0.0540	< 0.0540
2,2-Bis(perachicardment): 1,1-bishoverment (DDF) (GDS)	4 14.0	< 14.0	< 14.0	o. 14.0
2,2-816(person density) - (, i = 0 to	¢ 5.69	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Suffide (GDS) 4-Chlorophenylmethyl Suffide (GDS)	< 10.0	< 10.0	< 10.0	< 10.0
	47.4	47.46	47.46	× 7.46
4-Chlorophenylmethyl Sulfone	9 .5	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Suffore (GLAS)	< 11.5	< 11.5	< 11.5	< 11.5
4-Chlorophenylmethyl Sulforide	0 51 >	< 15.0	< 15.0	< 15.0
4-Chlorophenylmethyl Sulfonide (ULPS) Aldrin	< 0.0500	< 0.0500	< 0.0500	< 0.05d0
	A 11 A	× 13.6	< 13.0	< 13.0
Aldrin (GONS)	8 7 V	× 4.03	< 4.03	£0.4 ×
Atrazine	8	< 5.90	< 5.90	< 5.90
Atrazine (GDIS)		× 5.00	· 5.00	< 5.00
Bergothiazole Bicyclo (2,2,1) hepta-2,5-diene	6.5.90	× 5.90	< 5.90	< 5.90
	Ø.7.3	6.7.	× 7.78	6.7.2
Bis (2-Ethylbexyl) Mthelate (GDS)	< 10.0 • 10.0	S.7.	< 10.0	¢ 7.70
Caprolectem (GDNS) Chlordene	< 0.0950	< 0.0950	< 0.0950	< 0.0950

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

- < ... implicates that the target analyte was not detected at or above the Certified Reporting Limit.
- above the Maximum Reporting Limit. MA -- Not ArmityZed. > ... indicates that the target analyte was detected at or R -- Data did not meet quality control criteria and were
 - rejected.
 - A -- Data considered anomalous based on evaluation of him at at a rd arm W/V edu-

Table 81 Groundwater Investigative Analytical Data

	37441	37442	37442	37443
Date	06/15/90	03/02/90	06/12/90	03/01/90
Analytes				
				,
Senivolatiles	4 17 0	0 42 7	4.77.0	< 37.0
Chlordene (GDIS)	0.75	9: 4		65.80 5.00
Dicyclapentadiene	8 · · ·	8 5	5	\$ 2.50
Dicyclopentadiene (GOIS)	0000		0.0500	0.0590
Dieldrin	onco.o.	0.00	9 70	0 %
Dieldrin (GCIS)	0.92 >	» 9.	9.62	9.89
n i commune de la characteration	< 0.392	97::0	< 0.392	7.28
A ST. C.	< 21.0	< 21.0	< 21.0	< 21.0
Unsequence and the contraction of the contraction o	× 0.188	< 0.186	< 0.188	< 0.168
	<u> </u>	<u>81</u> ×	× 130	× 130
Distribute try (Prospendance (1905)	¢ 1.3k	× 1.34	× 1.%	< 1.3k
		S	, ,	× 3.30
Dithiume (GDIS)	1. S.		00200 >	× 0.0500
Endrin	, 18 P	0 81 9	× 18.0	< 15.0
Endrin (GDS)	9:01	0.000	< 0.0480	< 0.0480
Hexach lorocycl opentadiene			7	25.
Hexachlorocyclopentadiene (GDIS)	P. 4.	? X	į	
4	< 0.0510	0.236	< 0.0510	< 0.0510
index (CDE)	< 7.80	< 7.80	< 7.80	< 7.80
Malathian	< 0.373	< 0.373	< 0.373	< 0.373

Notes: Values are reported in micrograms per liter.

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- above the Maximum Reporting Limit. MA -- Not Analyzed. R -- Data did not seet quality control criteria and were
 - rejected.

 A -- Data considered anomatous based on evaluation of historical data and field QA/QC procedures.

Sample 10	37441	37442	37442	37443
Date	06/12/90	03/05/90	06/15/90	03/01/90
Amelytes				
Semivolatiles				
Malathion (GCMS)	< 21.0	< 21.0	< 21.0	< 21.0
Parathion	< 0.647	× 0.647	< 0.647	< 0.647
Peruthion (GDIS)	< 37.0	< 37.0	< 37.0	< 37.0
Pentachlorophenol (GDIS)	< 9.10	< 9.10	< 9.10	< 9.10
Supone	< 0.787	< 0.787	< 0.787	× 0.787
(SiCE) awding	< 19.0	< 19.0	< 19.0	< 19.0
Vaporia	< 0.384	< 0.334	< 0.384	< 0.38k
Vapone (GDKS)	< 8.50	< 8.50	< 8.50	× 8.50
Volatiles				
1,1,1-Trickloroethane	× 0.760	< 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GCMS)	× 1.00	< 1.00	· 1.00	× 1.00
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780	· 0.780
1,1,2-Trichloroethene (GCMS)	· 1.00	* 1.00	· 1.00	× 1.00
1,1-Dichloroethane	¢ 0.730	< 0.730	< 0.730	< 0.730

Motes: Values are reported in micrograms per liter.

* 1.8 * 1.8

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8.1. \$ 8.

6.1.8 6.1.8 6.1.8 6.1.10 6.1.10

1,1-Dichloroethane (GDIS)

1,1-Dichloroethene

1,1-Dichloroethere (GDIS)

1,2-Dichloroethene

1,2-Dichloroethane (GDIS)

61.1.0 61.1.0 61.1.0

Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- > -- indicates that the target amplyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed. R -- Data did not meet quality con. criteria and were
 - rejected.
 A -- Data considered anomatous based on evaluation of

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Table 81 Groundwater Investigative Analytical Data

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	37441	37442	37442	37443
	06/12/90	03/02/90	06/12/90	03/01/90
Analytes				
Volatiles				
1.2-Dichloroethenes (cis & trans)	< 0.760	6.760	< 0.760	092.0 >
1 2-Dichloroethenes (cis & trans) (GDS)	< 5.00	· 5.00	< 5.00	× 5.00
Berzene	· 1.05	· 1.05	· 1.05	< 1.05
Review (CDS)	· 1.60	< 1.00	. 1.80	× 1.00
Carbon Tetrachloride	066°9°	• 0.990	0.990	< 0.990
Carbon Tetrachloride (2005)	× 1.00	· 1.00	• 1.00	· 1.00
	< 0.820	10.7 A	× 0.820	11.7 A
Chicacharatana (CNS)	× 1.00	11.5 A	· 1.00	11.5 A
	v 0.500	Z.9 A	< 0.500	15.2 A
Chloroform (GDS)	× 1.00	12.0 A	× 1.00	9.30 A
of increase by constraints	< 0.195	9.206 A	¢ 0.1%	< 0.1%
Dilectorchi mercennes (CDS)	< 12.0	< 12.0 A	< 12.0	< 12.0
Disastrul Dieselfide	< 0.550	< 0.550	< 0.550	< 0.550
Columba Described	< 1.37	< 1.37	< 1.37	< 1.37
Ethyl benzene (GDS)	· 1.00	· 1.06	. 1.00	· 1.00
-X-III	X.1.>	4 1.32	< 1.32	< 1.32
SHCD (SHCD)	× 1.00	. 1.00	• 1.00	× 1.00
Methylero Chloride	oy.2 >	× 7.40	< 7.40	< 7.40

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- ... indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed.
 - R -- Data did not meet quality control criteria and were rejected.
 - A -- Data considered anomalous based on evaluation of historical data and field OA/OC procedures.

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	37441	37442	37442	37443
Date	06/12/90	03/05/90	06/12/90	03/01/90
Analytes				
marked and the fact (COMC)	· 1.00	· 1.00	. 1.00	• • • • • • • • • • • • • • • • • • •
WEINVIEW LANGE LOCALS	06.4 >	× 4.30	06.4 >	% * .90
	× 1.40	< 1.40	< 1.40	· 1.40
METHYLISCOLICYL MELGINE LOCAS)	× 1.36	< 1.36	× 1.36	< 1.36
O,P-Kylene (COS)	< 2.00	< 2.00	< 2.00	< 2.00
		9	ž,	5X.
Tetrachiconstant	× 0.76	0.730 V	27.0	21.5
	· 1.00	. 1.00	× 1.00	3.
	< 1.67	× 1.47	£ 1.67	< 1.47
	4 1.30	. 1.00	. 1.00	. 1.00
	× 0.560	· 0.560	× 0.560	· 0.560
ונוכוומו מבוזיים א				
Taint and the second se	9.00	< 1.00	9.60	· 1.00
	1	ī	\$	1
Vinyt Chloride (GDIS)	< 12.0	< 12.0	< 12.0	< 12.0

Reported values are accurate to three significant figures. Motes: Values are reported in micrograms per liter.

- < -- indicates that the target analyte was not detected at
- above the Maximum Reporting Limit. MA -- Not Armlyzed. > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.
 - R -- Data did not seet quality control criteria and were rejected.
 - A -- Data considered anomalous based on evaluation of

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37444	06/13/90
37444	03/02/90
37443	06/13/90
5	•
4	Date 15

Analytes

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.

- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed.
 - R -- Data did not meet quality control criteria and were rejected.
 - A -- Data considered anomalous based on evaluation of historical data and field QA/QC procedures.

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37444	06/13/90	
37444	03/02/90	
37443	06/13/90	
olympia 19	Part of	

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Metals/Anions/General Chem		•	1
Total Suspended Solids	≦ ;	4 (S
2 inc	· 16.0	< 18.0	. 18.0
Phenois			ı
2 % A. Trichingmenni (COSS)	5.1.	R.1.	6.1. 2
C, J, O' II Little upresent (Comm)	< 2.80	< 2.60	< 2.80
C. A. To Coll constant (CTS)	< 3.60	< 3.60	< 3.60
C. a.	07.8 >	× 8.40	07.6 >
2,4-0 inethylphenol (GDIS)	07"7 >	04.4 >	04.4 >
	× 176	× 176	< 176
	< 2.80	< 2.80	< 2.80
(comp) journation of the company of	< 3.60	< 3.60	< 3.60
(com) houseful with the	· 8.20	× 8.20	· 8.20
3-Nethyl-4-Chlorophenol (GCRS)	< 8.50	< 8.50	6.50
	< 2.80	< 2.80	< 2.80
	° %.0	× 96.0	0.86
Phenol (6018)	< 2.20	· 2.2	< 2.20
Semivolatiles	500	< 2.38	< 2.38
1,4-Oueth are	< 27.0	< 27.0	< 27.0
1,4-0xinimare (w.c.s) 2,2-8is(perachiorophenyt)-1,1,1-Trichloroethane (DDI)	× 0.0490	0.0490 >	< 0.0490

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

< -- indicates that the targer analyte was not detected at

> .. indicates that the target analyte was detected at or or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Arelyzed. -- Data did not meet quality control criteria and were

A -- Data considered anomalous based on evaluation of rejected.

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Table 81 Groundwater Investigative Analytical Data

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	37443	37444	37444	
Sample 10	06/13/90	03/05/90	06/13/90	
Care of the care o				
Analytes				
Senivolatiles	× 18.0	< 18.0	< 18.0	
2,2-8is(perachlorophenyl)-1,1-1richloroetnane (vol.) (school)	< 0.0540	< 0.0540	< 0.0540	
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (Vuc.)	× 14.0	< 14.0	< 14.0	
2,2-8is(parachlorophenyl)-1,1-Dichloroethene (USC) (uchs)	\$ 5.69	< 5.69	69.6	
4-Chlorophenylmethyl Sulfide	< 10.0	< 10.0	< 10.0	
4-Chlor daleny time tasy	;	17.16	\$ 7.46	
4-Chlorophenylmethyl Sulfane	9:	S	< 5.30	
4-Chlorophenylmethyl Sulfone (GDRS)	5.5.5 5.5.5	31.5	< 11.5	
4-Chlorophenylmethyl Sulfoxide	C	. 15.0	< 15.0	
4-thiorophenylmethyl Sulfoxide (GCHS)	< 0.0500	< 0.0500	< 0.0500	
Aldrin				
	< 13.0	< 13.0	< 13.0	
Aldrin (GDKS)	< 4.03	< 4.03	× 4.03	
Atrazine	· 5.90	× 5.90	< 5.8	
Atrazine (GONS)	× 5.00	< 5.00	< 5.00	
Benzothiazole	< 5.90	< 5.90	< 5.90	
Dicyclo [2,2,1] hepta-2,5-diene				
	6.7.7	6.7.7°	0.7.7	
Bis (2-Ethylhexyl) Phthalate (4JPs)	< 10.0	K.7.	< 10.0	
Caprolectem (GCMS)	< 0.0950	< 0.0950	< 0.0950	
Chlordane				

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

< -- indicates that the target analyte was not detected at

above the Maximum Reporting Limit. MA -- Not Aralyzed. > -- indicates that the target analyte was detected at or R -- Data did not meet quality control criteria and were or above the Certified Reporting Limit.

rejected.

A -- Data considered anomalous based on evaluation of historical data and field DA/QC procedures.

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Table 81 Groundwater Investigative Analytical Data

	37443	******	37444	
Date	06/13/90	06/ (· · · · · ·	06/13/90	
		,		
Semivolatiles				
Chlordene (GDS)	< 37.0	< 37.0	< 37.0	
Directorent adjece	< 5.00	< 5.00	< 5.00	
Nicoclonentadiene (GDS)	< 5.50	< 5.50	< 5.50	
Distriction	6.0619	< 0.0500 ×	< 0.0500	
Dieldrin (GDS)	× 26.0	< 26.0	< 26.0	
n i secenary Nethvl thesthonate	5.54	0.475	0.814	
Diferenced Methylchosnicomete (6015)	< 21.0	< 21.0	< 21.6	
Disetty sethy! Pheedonice	< 0.168	< 0.158	< 0.188	
Disetty(sethy) Phonyconte (COS)	× 130	× 130	× 130	
Dithiere	* 1.%	< 1.34	< 1.34	
	< 3.30	< 3.30	< 3.30	
Endrin	× 0.0500	< 0.0500	< 0.0500	
Fretin (4715)	< 18.0	< .8.0	· 18.0	
Harark Joseph Americal Steel	< 0.0480	· 0.0480	< 0.0480 <	
Hexachlorocyclapantadiene (GONS)	· 54.0	< 54.0	. 0.4.	
	< 0.0510	< 0.0510	< 0.0510	
Isotrin (2018)	< 7.80	< 7.80	× 7.80	
Malathion	< 0.373	< 0.373	< 0.373	

Reported values are accurate to three significant figures. Motes: Values are reported in micrograms per liter.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- above the Maximum Reporting Limit. MA -- Not Analyzed. > -- indicates that the target analyte was detected at or
 - R -- Data did not meet quality control criteria and were
 - A -- Data considered anomalous based on evaluation of rejected.

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Sample 1D Date	3743	37444	37444	
alytes				
mivotatiles	< 21.0	< 21.0	< 21.0	
Malathion (GUS)	799.0 >	× 0.647	< 0.647	
Parathion	< 37.0	< 37.0	< 37.0	
Parathion (GDS)	< 9.10	< 9.10	< 9.10	
Pentachlorophenol (Muns) Supons	< 0.787	< 0.787	< 0.787	
	< 19.0	< 19.0	< 19.0	
Supone (GCHS)	₩ 0 >	< 0.38k	< 0.384	
Vapone (GCIS)	< 8.50	< 8.50	8.50	
olatiles		972 0 7	< 0.760	
1,1,1-Trichloroethane	6.5	41.00	× 1.8	
1,1,1-Trichloroethere (GDS)	082-0	< 0.780	× 0.780	
1, 1, 2-Trichloroethere	< 1-80	. 1.00	< 1.00	
1,1,2-Trichloroethame (w.m.) 1,1-Dichloroethame	< 0.730	× 0.730	< 0.730	
	× 1.00	4 1.00	4 1.00	
1,1-bichloroethane (6US)	S.1. >	× 1.70	v.1.20	
1,1-Dichloroethere	× 1.00	< 1.00	. 1.00	
1,1-0schloroethere (MAS)	× 1.10	< 1.10	< 1.10	
1,2-bichloroethare	8 .	× 1.00	< 1.00	

Notes: Values are reported in micrograms per liter.

< 1.00

× 1.00

s.1.8

1,2-Dichloroethane (GOIS)

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- above the Maximum Reporting Limit. MA -- Not Armalyzed. > ... indicates that the target analyte was detected at or
 - R -- Data did not meet quality control criteria and were
 - -- Data considered enomalous based on evaluation of historical data and field QA/QC procedures. rejected.

Table 81 Groundwater Investigative Analytical Data

Simple 10	37443	37444	37444
Date	06/13/90	03/05/90	06/13/90
Amalytes			
Volatiles			
1.2-Dichloroethenes (cis & trans)	× 0.760	< 0.760	< 0.760
1.2-Dichloroetheres (cis & trans) (GDIS)	< 5.00	< 5.00	< 5.00
	· 1.65	1.77 A	· 1.05
Lenson (CDS)	× 1.00	1.09 A	• 1.00
Carbon Tetrachloride	× 0.990	< 0.990	× 0.990
(36.57) 4-1-0-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-	× 1.00	4 1.00	· 1.00
	· 0.820	10.6 A	< 0.820
Chicohamane (COS)	4 1.00	19.2 A	< 1.00
Chieroform	1.55	30.8 A	2.65
Chloroform (GCHS)	2.20	26.0 A	3.80
and and a second of the second	< 0.195	0.223 A	< 0.195
Dibromohl conscione (GDS)	< 12.0	< 12.0 A	< 12.0
Disertive Dissifide	< 0.550	< 0.550	< 0.550
Ethyl Bergere	< 1.37	< 1.37	< 1.37
Ethyl Benzene (6018)	· 1.00	٠ 1.00	< 1.00
	¢1.8	41.32	¢ 1.32
11-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	× 1.00	< 1.00	. 1.00
Nethylene Chloride	< 7.40	07.7 >	٠ 7.40

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

- < -- indicates that the target smalyte was not detected at
- > .. indicates that the target analyte was detected at or or above the Certified Reporting Limit.
- above the Maximum Reporting Limit. MA -- Not Analyzed. R -- Deta did not meet quality control criteria and were
- A -- Data considered anomalous based on evaluation of him al al -- A/C -- edu rejected.

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•	37443	37444	37444
Sample ID Date	06/13/90	93/05/90	06/13/90
Analytes			
Volatiles	· 1.00	× 1.90	< 1.00
Methylene Chloride (stats)	o6.7 ×	o6.4 ×	6.4 ×
Methyl isobutyl Ketone	· 1.40	< 1.40	< 1.40
Nethylisobutyl Ketone (acres)	× 1.36	· 1.36	< 1.36
O,P-Xylene (GOIS)	< 2.00	< 2.00	< 2.00
	0.73 0.73	< 0.750	< 0.750
Tetrachloroethere	· 1.00	• 1.00	. 1.00
Tetrachloroethene (GDS)	× 1.47	< 1.47	< 1.67
Toluene	× 1.00	• 1.00	· 1.00
Toluene (GUS) Trichlorethene	× 0.560	· 0.560	× 0.560
Trichloroethene (GDIS)	× 1.00	0°.1 ×	· 1.30
Vinyl Chloride (GCMS)	× 12.0	< 12.0	< 12.0

Reported values are accurate to three significant figures. < -- indicates that the target analyte was not detected at Notes: Values are reported in micrograms per liter.

- > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.
- above the Maximum Reporting Limit. MA -- Not Armlyzed. R -- Data did not meet quality control criteria and were
- A -- Data considered anomalous based on evaluation of historical data and field OA/OC procedures. rejected.

Si element	BA1048	#A1069	BA1163	MA1168
Date	12/18/89	12/28/89	02/101/90	05/22/20
	CC/NS of	EC/NS of	CC/NS of	GC/NS of
	37418	37430	#A1072	374.04
Analytes				
2.3,6-Trichlorophenol (GCMS)	s.r.	£.1.>	£.1.3	3
2.4.5-Trichlorophenol (GDIS)	< 2.80	< 2.80	< 2.80	≨
2.4.6-Trichloropherol (GOIS)	< 3.60	< 3.60	× 3.60	
2.4-Dichlorochenol (60%)	o , 8 .	× 8.40	07.8 >	ĭ
2,4-6 inethylphenol (GCIS)	07.4 >	05'5 >	07.7 >	≦
2.4-Dinitropherol (60%)	× 176	× 176	< 176	1
2-Chloroberol (GDIS)	< 2.80	< 2.80	× 2.80	1
2-technicherol (GDIS)	< 3.60	< 3.60	× 3.60	1
2-Hitrophenol (GDS)	· 8.20	× 8.20	6.20	\$,
3-Hethyl-4-Chlorophenol (GDIS)	× 8.50	< 8.50	< 8.50	ž
4-Hethyloherol (6035)	< 2.80	< 2.80	< 2.80	ă,
6-Hitrospend (GDS)	o.96 ×	· %·0	· 96.0	1
Phenol (GCIS)	< 2.20	× 2.20	< 2.20	¥
Senivolatiles				;
1.4-Oxachiane (GDRS)	< 27.0	< 27.0	< 27.0 ·	≦
2.2-8is(marachlorochenyl)-1,1,1-Trichloroethane (DDI) (GCMS)	< 18.0	< 18.0	< 18.0	≨
2,2-Bis(parachlorophenyl)-1,1-0ickloroethere (DOE) (GCMS)	< 14.0	< 14.0	< 14.0	á

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.
 - or moore the Lestified Reporting Limit.
 > -- indicates that the target amalyte was detected at or above the Maximum Reporting Limit.
- R -- Data did not meet quality control criteria and were rejected. MA -- Not Analyzed.
 - A -- Results considered anomalous based on evaluation of historical data and field GA/OC procedures.

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Table 82 Groundwater GL/MS Analytical Data

•	MA 1048	EA 1069	IM1163	MA1168
See 10	12/18/89	12/28/89	02/10/20	02/22/90
	CC/NS of	CC/NS of	GC/MS of	GC/MS of
	37418	37430	MA1072	37404
Analytes	į			
Servolatiles				;
(ACS) objekted bathan bankan (COS)	< 10.0	< 10.0	× 10.0	\$
the state of the s	8f.5 ×	< 5.30	< 5.30	1
the contract of the contract o	< 15.0	< 15.0	< 15.0	1
the thirty and	- 13.0	< 13.9	< 13.0	1
Aldrin (surs)	· 5.90	< 5.90	< 5.90	£
ACTEZINE (GCAS)				
(2007) and behavior of the state of the stat	178	ī	8.7°	\$
Signaturally received (co.)	< 10.0	ī	< 10.0	≦
	< 37.9	< 37.0	. < 37.0	1
	**	< 5.56	392	\$
Dicyclopencaciene (with)	· 36.8	¢ 26.0	< 26.0	¥
	× 260	< 21.0	500	\$
Diseptepy(Nethylphosphorate (w.r.)	\$1. \$1.	× 130	× 130	≦
Dimethylmetayl Mostromic (w.s.)	63.8	< 3.30	< 3.30	1
	< 18.0	< 18.0	< 18.0	≦
Endrin (wuss) Bezachlarocyclopentadiene (GDS)	· 54.0	° 54.0	< 54.0	ĭ
Jeodrin (CDS)	< 7.80	< 7.80	< 7.80	4

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⁻⁻ indicates that the target analyte was not detected at Reported values are accurate to three significant figures. Values are reported in micrograms per liter. •

> -- indicates that the target amalyte was detected at or or above the Certified Reporting Limit. above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were MA -- Not Analyzed. rejected.

A -- Results considered anomalous based on evaluation of

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	MA1048	HA 1069	HA1163	PA1168	
Date	12/18/89	12/28/89	05/10/20	05/22/20	
	GC/MS of	GC/MS of	GC/MS of	EC/NS of	
	37418	37430	1A1072	37404	
mlytes	1 1 1 1 1				
Bivolatiles					
Malathion (601S)	< 21.0	< 21.0	< 21.0	≦	
Parathion (60%)	< 37.0	< 37.0	< 37.0	¥	
Pentachiorachenol (GDS)	< 9.10	< 9.10	< 9.10	1	
Scorne (GDS)	< 19.0	< 19.0	< 19.0	≦	
Vapora (GDIS)	< 8.50	< 8.50	6.50	\$	
statiles					
1,1,1-Trichloroethane (6795)	× 1.00	· 1.00	4 1.00	× 1.00	
1.1.2-Trichloroethane (GDS)	× 1.00	· 1.00	. 1.80	× 1.00	
1.1-Dichloroethene (GDS)	× 1.98	< 1.00	. 1.00	× 1.00	
1.1-Dichloroethere (COS)	× 1.00	× 1.00	. 1.00	× 1.00	
1,2-Dichloroethane (GCHS)	23.1	× 1.00	12.0	× 1.00	
1.2-Fichlornethenes (cis & trans) (5015)	90': >	< 5.00	< 5.00	< 5.00	
Servere (SDS)	× 1.00	< 1.00	× 1.00	15.5	<
Carbon Tetrachloride (GDIS)	× 1.00	4 1.00	. 1.00	3.5	<
Chlorobenzene (GDIS)	× 1.90	. 1.00	. 1.00	96.2	⋖
Chloroform (GCMS)	× 1.00	× 1.90	× 1.00	v 150	<
Dibramochlorapropene (6015)	< 12.0	< 12.0	< 12.0	\$	

Motes: Values are reported in micrograms per liter.

- -- indicates that the target amelyte was not detected at
 - or above the Certified Reporting Limit.
 - above the Maximum Reporting Limit. R -- Data did not meet quality control criteria and were
 - rejected. IA -- Not Analyzed.
- A -- Results considered anomalous based on evaluation of historical data and field QA/UC procedures.

Semple 10	HA1048	MA1069	IIA1163	HA1162	_
Date	12/18/89	12/28/89	05/01/90	02/22/50	_
	GC/NS of	GC/NS of	GC/NS of	GC/NS of	
	37418	37436	MA1072	37404	
Analytes	1 1 1 1 1 1 1				
Volatiles			•		
Ethyl Benzene (GDS)	× 1.00	· 1.00	× 1.00	× 1.00	
H-Xylene (GDS)	< 1.00	· 1.00	× 1.00	× 1.00	
Hethylene Chloride (GDS)	× 1.00	× 1.00	• 1.00	× 1.00	•
Herhylischutyl Ketone (GDE)	× 1.40	< 1.40	× 1.40	× 1.40	
0,P-Kytene (GDIS)	< 2.00	< 2.00	< 2.00	< 2.00	
Tetrach(oroethere (GOS)	13.9	× 1.00	17.41	4 1.00	
Toluene (EDIS)	× 1.00	× 1.00	< 1.00	3.00	<
Trichlometherie (COS)	8.20	× 1.00	2.60	3.50	⋖
Vinyl Chloride (GCNS)	< 12.0	< 12.6	< 12.0	< 12.0	

Motes: Values are reported in micrograms per liter.
Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. R -- Data did not meet quality control criteria and were
 - rejected. NA -- Not Analyzed.
 A -- Results considered anomalous based on evaluation of

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	HA1169	IA1171	M1199
	05/21/90	05/52/30	06/15/90
	GC/NS of	GC/NS of	GC/NS of
	37435	37438	37441
Analytes			
Phenols			1
2 % 6-Trichlorachenol (COS)	£.1.	٠ د	e.i.>
2 4 S-Trickloombenol (GDIS)	< 2.80	· 2.80	< 2.80
2 4 4-Trichlorophenol (GDIS)	× 3.60	< 3.60	< 3.60
2.4.0 intercolours (CTS)	× 8.40	9.40 • 8.40	0 7 .8 ×
2,4-Dimethylphenol (GDS)	07"7 >	07"7 >	07'7 >
	· 176	921 >	× 176
	< 2.80	< 2.80	< 2.80
(supply longitudes)	3,60	. < 3.60	< 3.60
	× 8.20	8.20	< 8.20
3-Hethyl-4-Chlorophenol (GDS)	8.50	· 8.50	< 8.50
1300.03	< 2.80	< 2.80	< 2.80
4-Methylphenol (euro)	· 96.0	· %·0	9°% ×
Phenol (GDS)	< 2.20	< 2.20	< 2.20
Serivolatiles			,
1.4-Ozathiene (6015)	< 27.0	< 27.0	< 27.0
2 2-Bis(narachlorodhery()-1.1.1-Trich(oroethane (001) (GOS)	< 18.0	× 18.0	< 18.0
2,2-8is(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS)	• 14.0	< 14.0	> 14.0

Notes: Values are reported in micrograms per liter.

- .- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target amalyte was detected at or above the Maximum Reporting Limit.
 - R -- Data did not meet quality control criteria and were rejected.
- rejected.

 M.-- Not Analyzed.

 A.-- Results considered anomalous based on evaluation of historical data and field OA/OC procedures.

Sample 10	MA1169	IA1171	IA1199
Date	02/27/90	05/28/90	06/12/90
	CC/MS of	GC/MS of	CC/MS of
	37435	37438	37441
bralytes			
Semivolatiles	•		
4-Chlorophenylaethyl Sulfide (GOIS)	× 10.0	< 10.0	< 10.0 <
4-Chlorophenylmethyl Sulfone (GCIS)	< 5.30	< 5.30	< 5.30
4-Chlorophenylaethyl Sulfoxide (GCIS)	< 15.0	< 15.0	< 15.0
Aldrin (GDIS)	< 13.0	< 13.0	< 13.0
Atrazine (GOIS)	× 5.90	< 5.90	< 5.90
Bis (2-Ethylbexyl) Phthalate (GDS)	or.7 >	6.7.4	× 7.70
Caprolactam (GCMS)	W.7.2	S.7.	< 16.0
Chiordere (608)	< 57.0	< 37.0	< 37.0
Dicyclopentadiene (GDS)	× 5.50	< 5.50	5.5
Dieldrin (GDS)	× 24.0	< 26.0	< 26.0
Diisopropyl Nethylphosphonate (GDIS)	< 21.0	< 21.0	< 21.0
Dimethylmethyl Phosphorate (GDIS)	3 →	× 130	× 130
Ofthiere (GOS)	< 3.30	< 3.30	< 3.30
Endrin (6015)	× 18.0	< 18.0	× 15.0
Hexachlorocyclopentadiene (5015)	o.32. ^	< 54.0	· %·0
Isodrin (6015)	× 7.80	< 7.80	< 7.80

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - R -- Data did not meet quality control criteria and were rejected. MA -- Not Analyzed.
 - A -- Results considered anomalous based on evaluation of

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	MA1169	HA1371	HA1199	
Sample 10	05/27/90	02/29/90	06/12/90	
	GC/NS of	CC/MS of	GC/MS of	
	37435	37438	37441	
Analytes				
Senivolatiles	Š	0.10	< 21.0	
Malatnion (GCMS)	0.13 >	0.11.	4.37.0	
Parathion (GDIS)	0.75 v) () ()	< 9.10 < 9.10	
Pentachlorophenol (GDIS)	0.50	< 19.0	< 15.0	
Suporta (GDIS)	6.50	< 8.50	05.50	
Volatiles	× 1.00	× 1.00	× 1.00	
1,1,1-Trichloroethume (suns)	× 1.30	< 1.00	5.23	
1,1,2-Trichloroethane (w.m.)	× 1.00	.1.00	× 1.00	
1, 1-Dichloroethane (MAS)	\$ 6. [>	. 1.00	× 1.00	
1,1-Dichloroethere (GUS) 1,2-Dichloroethere (GUS)	· 1.00	· 1.00	× 1.00	
	· 2.00 ·	< 5.00	< 5.00	
1,2-Dichloroethenes (cis & trans) (wws)	A 24.7	9.30	A < 1.00	
Benzene (GDS)	1,10 A	1.47	A < 1.30	
Carbon Tetrachloride (w.m.)	73.1 A	8.5	A < 1.00	
Chloroform (GCMS)	> 150 A	150	A < 1.00	
Dibromochloropropene (GCMS)	< 12.0	< 12.0	< 12.0	

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at
 - or above the Certified Reporting Limit.
- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - R -- Data did not meet quality control criteria and were rejected. WA -- Not Analyzed.
- A -- Results considered enometous based on evaluation of historical data and field OA/OC procedures.

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Sample 10	M1169	MA1171		BA1199
Date 02	05/27/90	05/58/90		06/12/90
18 · · · · · · · · · · · · · · · · · · ·	GC/MS of	GC/NS of		GC/MS of
	37435	37438		37441
Analytes				
Volatiles				
Ethyl Benzene (GDIS)	8.:	. 1.00	•	1.00
H-Kylene (GDIS) < 1.	· 1.00	· 1.00	•	× 1.00
Hethylene Chloride (GCIS)	< 1.00	× 1.00	•	1.80
Methylisaburyl Ketone (GCMS) < 1.	< 1.40	< 1.40	•	1.40
C,P-Xylene (GDIS) < 2.	2.00	< 2.00	•	. 2.00
Tetrachloroethere (GCMS)	51.8	4 1.00		1.00
	2.30 A	3,30	` *	< 1.00
(SCS)	. W . W.	3.20	*	7.0
	< 12.0	< 12.0	•	: 12.0

Motes: Values are reported in micrograms per liter.

- indicates that the target analyte was not detected at
 the target that the target and the target that the target th
 - or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or
 - above the Maximum Reporting Limit. R -- Data did not meet quality control criteria and were
 - rejected. WA -- Not Analyzed.
- A -- Results considered anomalous based on evaluation of

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Sample 1D Date	MA1018 09/27/89	MA1019 09/27/89	HA1021 10/26/89	HA1025 11/09/89	HA1646 02/12/90
Analytes					
Metals/Anions/General Chem					•
Arsenic	≦	\$	ş	≦	< 2.35
Cadmium	¥	4	1	≨	6.73 5.73
	1	\$	≨	4	659
	ž	≦	≨	1	× 278
Chromium	\$	ž	\$	ž	s. 16.8
	1	1	1	\$	# # # V
Comper	£	ş	í	i :	
Cyunide	≦	4	≦	≦	< 5.90
Fluoride	1	≦	¥	ī	< 153
<u>5</u>	1	3	≦	ī	566
Lead	\$	\$	1	¥	< 43.4
	£	3	ž	\$	< 135
Manager	1	1	¥	¥	< 9.67
The second	≤	¥	≦	¥	< 0.100
Miteriae Miterate Mon-Confile	≤	¥	≦	2	116
Potassia	1	1	≦	¥	< 1240
		,		:	į
Sodium	\$		≦	S	Ş.
Sulfate	\$	\$	¥	\$	362
Total Organic Carbon	≦	돌	1	S	× 1000

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

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NA -- Not Analyzed. RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Sample ID Date	NA1018 09/27/89	HA1319 09/27/89	HA1021 10/26/89	MA1025 11/09/89	NA1046 02/12/90
Analytes					
Metals/Anions/General Chem					
Total Suspended Solids	¥	\$	ş	\$	\$
Zinc	ă	4	\$	\$	· 18.0
Phenol s					
2,3,6-Trichlorophenol (GCHS)	× 1.78	€.1.A	\$	\$	× 1.3
2,4,5-Trichlerophenol (GCMS)	< 2.80	< 2.50	2	1	< 2.80
2,4,6-Trichloraphenol (GDIS)	< 3.60	< 3.60	\$	ź	< 3.60
2,4-Dichlorophenol (GOHS)	07.8 >	< 8.40	4	ī	× 8.40
2,4-Dimethylphenol (GCMS)	07.7 >	07.7 >	≦	≦	07.4 >
2,4-Dinitropheno! (GDMS)	× 176	× 176	\$	≦	< 176
2-Chlorophenol (GCMS)	< 2.80	< 2.80	ā	¥	< 2.80
2-Methylphenol (GCMS)	< 3.60	< 3.60	≨	ş	< 3.60
2-Witrophenol (GCMS)	8.20	< 8.20	\$	¥	< 8.20
3-Methyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	¥	¥	< 8.5¢
4-Wethylphenol (GGRS)	< 2.80	< 2.80	*	≦	< 2.80
4-Witrophenol (GDMS)	° %° °	· %·0	\$	监	• %°.0
Phenol (GDIS)	< 2.20	< 2.20	\$	S	< 2.20
Semivolatiles					
1,4-Oxathiane	< 2.38	< 2.38	¥	ş	< 2.38
1,4-Oxathiane (GCHS)	< 27.0	< 27.0	¥	ž	< 27.0
2,2-8is(parachlorophenyl)-1,1,1-Trichloroethane (DDT)	1	5	YII	ĭ	< 0.0490

Motes: Values are reported in micrograms per liter.

⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed,

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	MA1018	MA1019	HA1021	MA1025	NA1046
Sample 10 Date	09/27/89	09/27/89	10/26/89	11/09/89	05/15/90
Analytes					
Semivolatiles	•	0.8L >	\$	¥	< 18.0
2,2-Bis(parach!oropheny!)-1,1,1-irichloroethane (UUI) (uchs)	? 1		*	≦	0,0540
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DUE)	5	1 2 1	.	≨	< 14.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (CLAS)	0.5	9,1	: #	*	< 5.69
4-Chlorophenylmethyl Sulfide 4-Chlorophenylmethyl Sulfide (GOMS)	< 3.69 < 10.0	< 10.0	is	≦	< 10.0
	4.7.46	< 7.46	£	ī	< 7.46
4-Chlorophenylmethyl surfore	< 5.30	< 5.30	1	1	< 5.30
4-Chloromery line trays suctions (acres)	< 11.5	< 11.5	¥	≦	< 11.5
4-Chlorophenylmethyl Sulfoxide	0.21	< 15.0	≦	≨	< 15.0
4-Chlorophenylmetnyl sulfoxide (sucs) Aldrin	4	ā	≦	≦	× 0.0500
		!	1	1	, G
Aldrin (GDS)	< 13.0	< 13.0	ĭ	S	2 2
	× 4,03	× 4.03	¥	S	S
Atrazine	× 5.90	< 5.90	≦	₹	ć 5.90
Atrazine (GOS)	5	< 5.00	\$	≨	· 5.00
Berzothiazole Bicyclo (2,2,1) نجهتره-1,5-diene	< 5.90	< 5.90	≦	\$	< 5.90
	3	\$	4	ī	67.7
Bis (2-Ethylhexyl) Phthalate (5US)	i s	\$	\$	1	< 10.0
Caprolactem (GCMS)	1	≦ ≦	\$	≦	< 0.095 0
Chlordene	i				

Reported values are accurate to three significant figures. < - indicates that the target amalyte was not detected at Notes: Values are reported in micrograms per liter.

Caprolactam (GCMS) Chlordane

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> - indicates that the target analyte was detected at or or above the Certified Reporting Limit.

R -- Data did not meet quality control criteria and were above the Maximum Reporting Limit.

rejected.

NA -- Not Analyzed. RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Table 83 Groundwater QA/QC Analytical Data

Sample 1D Date	MA1918 09/27/89	MA1019 09/27/89	10/26/85	MA1625 11/09/89	IIA 1046 02/12/90
Analytes					
Semivoiatiles	ó 17 ó	× 37.0	1	≦	< 37.0
Chlordine (GDS)	2.60	< 5.00	\$	ī	< 5.00
	\$ 5.50	< 5.50	ş	1	< 5.50
Dicyclopentediene (u.ms.)	≦	¥	1	¥	< D.05 00
Dielarin Dielarin (GDS)	< 26.0	c 26.0	1	3	< 26.0
	< 0.392	< 0.392	≦	≦	< 0.392
Dispose opportunities and a second se	< 21.0	4. Z1.0	≦	1	< 21.0
Dilappropyt Methylphosphorate (acro.)	, 0.188	< 0.188	1	1	< 0.188
	× 136	· 130	ī	ă	< 130
Dimetonymetony, Prosporanie (ecos) Dithiane	× 1.34	× 1.34	á	1	¥.1.
	, 2	\$ *	ž	ī	< 3.30
Dithiane (GDIS)	2	1	1	\$	< 0.0500 <
Endrin	18.0 0.81 ×	× 18.0	\$	≦	· 18.0
Endrin (GDS)	0.0480 × 0.0480	< 0.0480	\$	1	< 0.0489
Invacin orocyclopental ene Bezacht orocyclopental ene (GDIS)	× %.	< 54.0	\$	1	o.4% ^
•	.	\$	1	≦	< 0.05 10
	< 7.80	< 7.80	a	ĭ	< 7.80
Hourn (sens)	< 0.573	< 0,573	1	á	< 0.373

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

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⁻ indicates that the target analyte was not detected at

> - indicates that the target analyte was detected at or or above the Certified Reporting Limit.

R -- Data did not meet quality control criteria and were above the Maximum Reporting Limit.

MA -- Not Analyzed. rejected.

Table 83 Groundhater GA/OC Analytical Data

Sample 10 Date	MA 1018 09/27/89	KA1019 09/27/89	HA1021 10/26/89	IA1025 11/09/89	MA1046 02/12/90
Analytes					
Senivolatiles	7	4.21.B	=	غ	< 21.0
Malathion (GDIS)	9:17 >	279 0 8	1	1	< 0.647
Parathion		< 37.0	ĭ	4	< 37.0
Perathion (GCMS)		< 9.10	1	1	< 9.10
Pentachlorophenol (GDKS) Sucona	× 0.787	< 0.787	\$	≦	it
	ģ	. 50	3	≦	< 19.0
Suporre (GDS)	9.4. v	792 0 >	≦	1	× 0.364
Vapone	65.8 ×	6.50	¥	ī	< 8.5 0
Vapora (GDIS)					
Volatiles	;	;	\$	1	× 0.760
1,1,1-Trichloroethane	≦ ;	1 :	i 1	≤	* 1.00
1,1,1-Trichloroethane (GDIS)	i :	i 3	1	*	× 0.780
1,1,2-Irichtoroethere	š i	i ¥	1	.	• 1.00
1,1,2-Trichlorcethane (4015)	1 1	i S	1	≦	< 0.730
1,1-Dichloroethane	•				
	1	\$	≦	ī	× 1.60
1,1-Dichloroethane (GCIS)	1	1	1	4	5.1.2
1,1-Dichloroethene	i i	i i	1	.	4 1.00
1,1-Dichloroethene (GUIS)	s :	1 1	i 1	1	< 1.10
1,2-Dichloroethene	5 :	1 1	i s	3	× 1.00
1,2-Dichloroethame (GDIS)	≦	í	į.	i	

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - R -- Data did not meet quality control criteria and were rejected.

 - WA -- Not Analyzed. RB Rinse Blank TB Trip Blank FB Field Blank.

Table 83 Groundwater QA/QC Analytical Data

	M 1018	MA1019	IA1021	1M 1025	MA1046
Sample 10	09/27/89	09/23/89	10/26/89	11/09/89	05/15/90
					·
Anslytes					
Volatiles	;	1	1	1	< 0.760
1,2-Dichloroethenes (cis & trans)	5 :	i i	i 3	1	< 5.00
1,2-Dichloroethenes (cis & trans) (GDIS)	i :	i 1	i s	\$	< 1.05
Benzene	i 2	i 1	1	≦	· 1.00
Benzene (GDS)	i a	1	\$	1	< 0.990
Carbon Tetrachloride	i				
Company of the control of the contro	±	£	≦	1	• 1.00
Carbon TetracatorToe (was)	1	*	1	¥	· 0.820
Chlorobenzene	i 1	1	*	1	. 1.00
Chlorobenzene (60%)	i 1	i 3	1	≦	< 0.500
Chloroform	i	i 1	7	=	. 1.00
Chicroform (GOIS)	1	í	i		
	\$1.0 ×	× 0.195	1	¥	. < 0.195
Dibromochi oropropene	, 12 B	< 12.0	ž	1	< 12.0
Dibromochioropropene (GDS)	95.0 >	< 9.556	*	£	< 0.55 0
Disethyl Disulfide	1	1	≤	≦	< 1.37
Ethyl Benzene	i :	i 1	3	\$	* 1.00
Ethyl Benzene (GDKS)	í	i	i		
	1	ž	≦	1	<1.32
H-Xylene	í s	1	S	1	· 1.8
H-Xylene (60%)	i :	i i	1	1	< 7.40
Nethylene Chloride	ŧ	í	í	İ	

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

R -- Data did not meet quality control criteria and were

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< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

indicates that the target analyte was detected at or above the Maximum Reporting Limit.

rejected.

MA -- Not Analyzed.

Table 83 Groundwater QA/QC Analytical Data

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Somple ID Date	BA1018 09/27/89	HA1619 09/27/89	10/26/89	MA1025 11/09/89	MA1046 02/12/90
Analytes					
Volatiles . Hethylene Chloride (GOIS)	¥	ā	š :	\$:	1.8
Methylisobutyl Ketone (2015)	8.7 *	8.°4 >	5	1 1 1	07.1 >
O,P-Xylene (GOS)	\$ \$	£ £	4 4	i i	< 5.00 < 2.00
Tetrachloroethene Tetrachloroethene (GCMS)	4 \$	11	5 5 3	3 3 1	< 0.70 < 1.00 74 L
Toluene (GCMS) Trichloroethene	111	111	111	i	1.000.560
Irichioroethene (GCMS) Vinyl Chloride Vinyl Chloride (GCMS)	4 4 4	111	¥ 99,4	40 - 60 - 60 - 60 - 60 - 60 - 60 - 60 -	< 1.00 *** *** *** *** *** *** *** *** ***

Values are reported in micrograms per liter. Notes:

⁻ indicates that the target analyte was not detected at or above the Sertified Reporting Limit.

[.] indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed. RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Table 83 Groundwater OA/OC Analytical Data

Sample ID Date	IM1047 12/18/89	HA1066 12/29/89	MA1067 12/29/89	MA1164 02/01/90	M1167 02/21/90
Analytes					
Hetals/Anions/General Chem					
	< 2.35	< 2.35	< 2.35	1	ž
Cadrina	6.78	¢ 6.78	< 6.73	ī	≦
Catolina	, 201 •	127	< 105	1	1
	¢ 278	× 278	\$7.2 >	í	\$
Chronica	< 16.8	< 16.8	< 16.8	ī	4
	•	4 4 5 V	× 41 ×	*	ś
Copper		9	5.00		¥
Cyanice	151	£1.5	33	1	1
	¢ 77.5	1	1	1	\$
Pear	· 43.4	4.63.6	< 43.4	\$	1
	31	· 135	c 135	£	ī
	. 9.67	1	\$	\$	ž
	× 8.100	< 0.100	< 0.100	3	1
miceica Miceata Mon-Coariffic	967	7.02	20.5	\$	¥
Potestics	< 1260	< 1260	< 1240	ī	≦
rodina 1	¢22 >	¢ 279	¢ 279	¥	ž
	× 18	÷ 13	ć 13	ĭ	1
Total Organic Carbon	905 ×	• 500	, 500 500	5	=

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

Table B3 Groundwater QA/OC Analytical Data

	MA1047	MA 1066	MA1067	#A 1164	IA1167
Sample 10	12/18/789	12/29/89	12/29/89	02/01/90	. 02/21/90
1102					
Analytes					
Metals/Anions/General Chem				i	1
Total Suspended Solids	7007 >	s ;	4	i :	5
Zinc	< 18.0	· 18.0	- 18.0	í	i .
Phenols			1	1	4
2 3 6-Trichtorocherol (605)	٠1.8 د	£.1.	R.L.	1	5 :
College (College of the College of t	< 2.80	< 2.80	< 2.80	≦	≦
	< 3.60	< 3.60	< 3.60	1	¥
	0 7 .8.	× 8.40	oy.60 >	1	≦
2,4-0;chlorophenol (e.ms) 2.4-0;chlorophenol (c.ms)	07.7 >	07'7 >	07.7 >	1	1
	į	7.5	71.7	1	1
2,4-Dinitraphenol (GCMS)	9/1 >	92	<u> </u>	i	1
3.04 analysis (CON)	< 2.80	< 2.80	< 2.80	≨	1
(com) manh out-7	< 3.60	· 3.60	< 3.60	1	≦
S-Herthylpherrol (euro)	6.8 ×	× 8.20	× 8.20	1	1
Z-Mitropherol (60%) 3-Marhyl-4-Chloropherol (60%)	< 8.50	< 8.50	s.50	1	ĭ
	8	, 2 Al	< 2.80	¥	ī
4-Nethylphenol (GDIS)	3 5	0.08	· %·0	1	\$
(-Nitrophenol (GOK)	\$2.2	< 2.20	× 2.20	≦	\$
Phenol (GDRS)					
Semivolatiles	;		5	\$	غ
1,4-Duathiane	0.25 0.50	27.0	27.0	1	\$
1,4-Ousthiane (GOMS)	N. 12 >	2.12		: 1	4
2,2-8is(parachlorophenyl)-1,1,1-Trichloroethane (DDI)	× 0.0490	× 0.0%00	× 0.0490	£	£

Values are reported in micrograms per liter. Notes:

Réported values are accurate to three significant figures.

- < \cdot indicates that the target amplyte was not detected at
- > indicates that the target analyte was detected at or or above the Certified Reporting Limit.
 - R -- Data did not meet quality control criteria and were above the Maximum Reporting Limit.

rejected.

MA -- Not Analyzed. RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Serole 10	MA1047	MA1066	NA1067	MA1164	141167
Date	12/18/89	12/29/89	12/29/89	02/01/30	05/21/90
Semivolatiles					
2.2-Bis(parachloropheny()-1,1,1-Trichloroethane (DDI) (GDIS)	< 18.0	< 18.0	< 18.0	ā	≨
2.2-Bis(parachloraphenyl)-1,1-Dichloroethene (DDE)	× 0.0540	< 0.0540	< 0.0540	≦	1
2.2-fis(parachlorophenyt)-1,1-Dichloroethene (DDE) (GCMS)	< 14.0	< 14.0	< 14.0	¥	1
6-Chloropervinethyl Sulfide	69.5	< 5.69	< 5.69	1	1
4-Chlorophenyinethyl Sulfide (GDIS)	< 10.0	< 10.0	< 10.0	ĭ	≦
4-Chlorophenylaethyl Sulfone	4.7.46	× 7.46	× 7.46	ī	1
4-Chiorophemylaethyl Sulfone (GDIS)	< 5.30	< 5.30	s 5.30	ī	≦
4-Chloracherylmethyl Sulforide	< 11.5	< 11.5	< 11.5	≦	ĭ
4-Chloropherylmethyl Sulfoxide (GDS)	< 15.0	< 15.0	< 15.0	1	≦
	< 0.0500	• 0.0500	< 0.500	1	≦
Aldrin (60%)	< 13.0	< 13.0	< 13.0	1	1
Atracine	< 4.03	< 4.03	< 4.03	á	¥
Atrazine (GDIS)	< 5.98	< 5.90	< 5.90	1	≨
Berzothiazole	< 5.00	< 5.00	< 5.00	1	≦
Sicycle [2,2,1] hepta-2,5-diene	< 5.90	6 5.90	< 5.90	1	≨
Bis (2-Ethylbexyl) Phthalate (GDIS)	c 7.70	c.7.70	¢ 7.7	1	≦
Carrolactam (GOIS)	< 10.0	c7.7 >	S.7.7~	1	¥
Chlordane	< 0.0950	< 0.0950	< 0.0950	ž	≦

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Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were

rejected.

MA -- Not Analyzed.

Table B3 Groundwater GA/OC Analytical Data

Sample 10	NA1047	MA 1066	IA1067	M1164	1A1167
Date	12/18/89	12/23/89	12/29/89	02/01/30	05/21/50
Analytes					
Semivolatiles		,	;	1	1
Call State of Ca	< 37.0	< 37.0	< 37.0	ĭ	S
	< 5.00	< 5.00	< 5.00	1	≨
	> 5.50	< 5.50	< 5.50	3	≨
Dicycloperitediene (u.m.)	< 0.0500	< 0.0500	< 0.0500	1	≦
Dieldrin Dieldrir, (GOIS)	< 26.0	< 26.0	< 26.0	1	≦
	< 0.392	< 0.392	< 0.392	£	4
Disapropy, Menylprospecime	< 21.0	< 21.0	< 21.0	≦	£
Directory! Retnylprosporate (acres)	× 0.186	< 0.188	< 0.188	\$	\$
Dimethylmethyl Phosphormic	\$£	× 130	× 130	1	1
Dimethylmethyl Phosphormic (uchs) Dithiane	× 1.34	× 1.3k	< 1.34	1	1
	S. 63	. 3.38	< 3.30	≦	≦
Dithiane (GDS)	0.0500	< 0.0500	< 0.0500	ž	1
Endrin	× 18.0	× 18.0	× 18.0	4	ĭ
Endrin (GDS)	0.04d0	× 0.0480	< 0.0480	1	≦
Hexachtorocyclopentadiene (60%)	o.xx ^	° % °	0.X ^	ĭ	≨
	< 0.05 10	< 0.0510	< 0.0510	1	1
Sacon all toos	< 7.80	< 7.80	< 7.80	1	≨
isogrin (u.r.s.) Melathion	< 0.373	< 0.373	< 0.373	¥	1

Reported values are accurate to three significant figures. Values are reported in micrograms per liter. Notes:

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed. RB - Rinse Blank 18 - Trip Blank FB - Field Blank.

Table 83 Groundwater GA/GC Analytical Data

Sample ID Date	HA104.7 12/18/89	12/29/89	MA1067 12/29/89	02/01/50	MA1167 02/21/90
Analytes					
Senivolatiles	< 21.0	< 21.0	< 21.0	ž	S
Hatathion (GOIS)	249.0 >	< 0.647	< 0.647	1	4
Parathion	< 47.0	< 37.0	< 37.0	1	≦ :
Parathion (GDRS)	01-6 >	< 9.10	< 9.10	1	≨ :
Pentachiorophenol (GDIS)	× 0.787	< 0.787	< 0.787	1	¥
Support					;
	< 19.8	< 19.0	< 19.0	¥	S :
Suporm (GDS)	40.28k	< 0.38 ⁴	< 0.384	\$	£ :
Vepore	× 8.50	05.8°	× 8.50	ī	ş
Vapora (GCRS)					
Volatiles	072.0	092.0 >	· 0.760	< 0.760	< 1.09
1,1,1-Trichloroethane	6.5	5	ā	£	≦
1,1,1-1-ichloroethane (GONS)	3.1	0.73	< 0.780	× 9.780	. 1.63
1,1,2-Trichloroethene	8	≦	1	£	4
1,1,2-Trichloroethane (GCMS)	052.0 >	< 0.730	< 0.730	< 0.730	< 1.95
1,1-Dichloroethane				;	•
	· 1.50	1	ī	i i	1 ¥
1,1-Dichloroethane (GDIS)	× 1.78	× 1.8	R.1.	F.'.	
1,1-Dichloroethere	21.00	£	≦	≦	S :
1,1-Dichloroethene (GDRS)	× 1.10	< 1.10	< 1.10	< 1.10	/ 5.U/
1,2-Dichloroethane	× 1.00	≦	1	\$	á
1,2-Dichloroethane (GDIS)	•				

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

⁻ indicates that the target smalyte was not detected at

> - indicates that the target analyte was detected at or or akove the Certified Reporting Limit.

R -- Data did not meet quality control criteria and wers above the Maximum Reporting Limit.

rejected.

MA -- Not Analyzed.

Table B3 Groundwater QA/OC Analytical Data

3. 1. 1.

Sample 10	TA1047	HA 1066	1A1067	HA1164	NA1167
Date	12/18/89	12/29/89	12/29/89	02/01/90	02/21/90
Analytes					
Volatiles					
1,2-Dichleroethenes (cis L trans)	< 0.760	< 0.760	< 0.760	< 0.760	· 1.75
1,2-Dichloroethenes (cis & trans) (GDIS)	< 5.00	1	ī	¥	ş
Berzare	< 1.05	< 1.05	. 1.65	< 1.05	< 1.92
Benzene (GDIS)	· 1.00	\$	≦	\$	\$
Carbon Tetrachloride	× 0.990	< 0.990	< 0.990	· 0.990	× 1.69
Carbon Tetrachloride (GOKS)	• 1.00	s	ş	ž	ş
Chlorobenzene	< 9.820	< 0.820	0.820	< 0.820	< 1.36
Chlorobenzene (GDS)	· 1.00	1	1	3	\$
Chloroform	1.01	< 0.500	< 0.500	· 0.500	< 1.88
Chloroform (6015)	. 1.00	\$	\$	\$	1
Ditromochloropropane	< 0.1%	< 0.195	< 0.1%	3	\$
Dibramochloroprapane (6045)	< 12.0	< 12.0	< 12.0	≦	\$
Disethyl Disulfide	< 0.550	< 0.550	< 0.550	\$	¥
Ethyl Benzene	< 1.37	< 1.37	< 1.37	< 1.37	0.620
Ethyl Benzene (GDIS)	· 1.00	1	1	1	₹
H-Xylene	× 1.32	× 1.32	< 1.32	× 1.32	× 1.04
N-Yylene (GOIS)	< 1.00	1	1	1	4
Methylene Chloride	c 7.40	< 7.40	< 7.40	< 7.40	< 2.48

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - R -- Data did not meet quality control criteria and were rejected.
- MA -- Not Analyzed. R8 Rinse Blank T8 Trip Blank F8 Field Blank.

	#A1047	MA1066	#A1067	1911AH	1A1167
Date	12/18/89	12/29/89	12/29/89	05/10/20	05/21/90
Analytes					
us in the state of					
Market are Chicaide (ADS)	· 1.00	1	1	¥	ş
Marked Southern Metons	06.7 >	%.4 ×	6.7 ×	ĭ	ī
Methyllocouty Action (CTR)	4 1.40	ş	1	í	≦
religit salurigit metare (men)	×1.3	× 1.36	< 1.36	< 1.36	× 1.34
O,P-Xylene (GOS)	< 2.00	≦	\$	¥	≦
	· 0.750	< 0.750	, 0.750	< 0.750	< 2.76
	4 1.00	1	≦	*	1
	. 1.47	< 1.47	× 1.47	< 1.47	< 2.10
	4 1.00		ī	≦	1
Trickloroethere	< 0.560	< 0.560	· 0.560	< 0.560	ć 1.31
· · · · · · · · · · · · · · · · · · ·	· 1.8	1	1	3	¥
Mind Chloride	1	1	¥	s	≨
Vinyl Chloride (CDS)	< 12.0	1	¥	3	¥

Reported values are accurate to three significant figures. < - indicates that the target analyte was not detected at Notes: Values are reported in micrograms per liter.

- indicates that the target analyte was detected at or or above the Certified Reporting Limit.
 - R -- Data did not meet quality control criteria and were above the Maximum Reporting Limit.
- MA -- Mot Analyzed. rejected.

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Sample 10	M1175	MA1176	HA1177
Date	05/28/90	06/92/20	05/58/90
Analytes			
Hetals/Anions/General Chem			
Arsenic	< 2.35	< 2.35	\$
Cachium	< 6.73	c 6.78	\$
Catcium	19800	* 105	ş
Chloride	14000	< 278	1
Chronium	< 16.8	< 16.8	1
Copper	8.81 >	× 16.8	¥
Cyanide	< 5.00	< 5.00	≦
Fluoride	863	< 153 ·	≦
Iran	< 77.5	< 77.5	¥
peal	× 43.4	< 43.4	¥
Magnesius	4300	< 135	\$
Manganese	29.6 >	< 9.67	¥
Heroury	< 0.100	< 0.100	≦
Witrite, Micrate Mon-Specific	560	32.3	1
Potessium	< 1240	< 1260	1
Sodius	11400	337	ī
Sulfate	42000	< 175	¥
Total Organic Carbon	× 1000	1000 >	3

Notes: Values are reported in micrograms per titer.

Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- > indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were

- rejected.
- MA -- Not Analyzed. RB - Rinse Blank TB - Trip Blank FB - Field Blank.

Table B3 Groundwater QA/QC Analytical Data

11 - 1	HA1175	HA1175	HA1177
	05/58/90	05/28/90	05/28/90
Analytes			
Hetals/Anions/General Chem			
Total Suspended Solids	\$	≦	¥
Žinc	117	× 18.0	\$
Phenols			
2.3.6-Trichlorocherol (GCHS)	× 1.78	£	≦
2 4 Strichlorophenol (SDIS)	< 2.80	< 2.80	≦
2 & A-Trichlorophenol (GDIS)	< 3.60	< 3.60	ĭ
2 t-hichloresherol (GCMS)	× 8.40	o7.8 >	≦
2,4-0imethylphenol (GDIS)	07'7 >	07"5 >	¥
2 4.himiterarhammi (ACTS)	× 176	× 176	≦
2. Chloresham (COS)	< 2.80	< 2.60	¥
2-Maphylahaman (GMS)	× 3.60	< 3.60	1
2-witersham (GDS)	× 8.20	< 8.20	≨
3-Wethyl-4-Chlorophenol (GCMS)	< 8.50	< 8.50	≦
(SILZ) (www.quiredown.)	· 2.80	< 2.80	1
A - Miteriory (COMS)	< 96.9	• %·0	\$
Phenot (GDIS)	< 2.20	< 2.20	4
Semivolatiles	•		\$
1,4-Oxathiane	\$ 7.38 \$	06.2	5 :
1.4-Oxathiane (GONS)	< 27.0	< 27.0	≦
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI)	< 0.0590	< 0.0490 •	S

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

 indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were

rejected.

MA -- Not Analyzed.

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Sample 1D Date	HA1175 02/28/90	NA1176 02/28/90	NA1177 02/26/90
Analytes			
Senivolatiles			
2,2-Bis(perachlorophenyl)-1,1,1-Trichloroethane (001) (GCMS)	< 18.0	< 18.0	\$
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE)	< 0.0540	< 0.0540	¥
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GDHS)	< 14.0	< 14.0	≦
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	₹
4-Chlorophenylmethyl Sulfide (GCMS)	< 10.0	× 10.0	ī
4-Chlorophenyimethyl Sulfone	× 7.46	< 7.46	\$
4-Chlorophenylmethyl Sulfone (GCMS)	< 5.30	< 5.30	\$
4-Chlorophenyimethyl Sulfexide	< 11.5	< 11.5	1
4-Chlorophenylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	≨
Aldrin	< 0.0500	< 0.0500	≦
Aldrin (GCMS)	< 13.0	< 13.0	\$
Atrazine	< 4.03	< 4.03	1
Atrazine (GCIS)	< 5.90	< 5.90	₫
Benzoth i azol e	< 5.00	< 5.00	ž
Bicyclo (2,2,1) hepta-2,5-diene	< 5.90	< 5.90	š
Bis (2-Ethylhexyl) Phthalate (GGKS)	× 7.78	6.7.v	≦
Caprolactum (60%)	E.7.	6.7.3	\$
Chlordene	< 0.0950	< 0.0950	ĭ

Values are reported in micrograms per liter. Notes:

Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- > indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - R -- Data did not weet quality control criteria and were rejected.
- MA -- Not Analyzed. RB Rinse Blank TB Trip Blank FB Field Blank.

Sample 10 Date	MA1175 02/28/90	MA1176 02/28/90	MA1177 02/28/90
Semivolatiles			
Chlordene (CCNS)	< 37.0	< 37.0	1
Dicyclopentadiene	< 5.00	< 5.00	1
Dicyclopentadiene (GCNS)	< 5.50	< 5.50	≦
Dieldrin	< 0.0500	· 0.0500	¥
Dieldrin (GDKS)	· 26.0	< 26.0	\$
Diisopropyl Methylphosphonate	< 0.392	< 0.392	£
Diisopropyl Nethylphosphonate (GDIS)	< 21.0	< 21.0	1
Dimethylmethyl Phosphorate	< 0.188	< 0.186	1
Dimethylmethyl Phosphorate (GDIS)	× 130	× 136	≨
Dithiane	< 1.34	< 1.34	\$
Dithiane (G795)	< 3.30	< 3.30	≦
Endrin	< 0.0500	< 0.0500	\$
Endrin (608)	< 13.0	< 18.0	1
Rexach lorocycl opentadiene	< 0.0480	< 0.0483	1
Nexachlorocyclopentadiene (GCNS)	6 54.0	· 54.0	1
Isodrin	< 0.6510	· 0.0510	¥
Isodrin (60%)	< 7.80	< 7.80	£
Malathion	< 0.373	< 0.373	1

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per litter.

- < indicates that the target analyte was not detected at
- or above the Certified Reporting Limit.
- indicates that the target ar_{∞} , γ te was detected at or above the Maximum Reporting Limit.
 - -- Data did not meet quality control criteria and were rejected.

 - 1-1- n. nk rn MA -- Not Analyzed.

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Sample 10	NA1175	EA1176	71178
Date	02/28/90	05/58/90	05/28/90
Analytes			
Senivolatiles			
Hatathion (GCMS)	< 21.0	< 21.0	£
Parathion	< 0.647	< 0.647	1
Parathion (SOIS)	< 37.0	< 37.0	<u>:</u>
Pentachlorophenol (GCHS)	< 9.10	< 9.10	≦
Suporna	< 0.787	× 0.787	1
(SICE) works	< 19.0	< 19.0	£
Vapona	< 9.384	< 0.364	1
Veporre (GONS)	< 8.50	< 8.50	ĭ
Volatiles			
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760
1,1,1-Trichloroethane (GDMS)	× 1.00	. 1.00	1
1,1,2-Trichloroethane	< 0.780	× 0.780	× 0.780
1,1,2-Trichlaroethane (GDIS)	× 1.90	< 1.00	ž
1,1-Dichlenoethane	< 0.730	< 0.730	< 0.730
1,1-Dichloroethane (GDIS)	• 1.00	• 1.00	1
1,1-Dichloroethene	٠1.3	s.1.×	6.1.70
1,1-Dichloroethene (GDIS)	< 1.00	× 1.00	¥
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10
1,2-Dichloroethane (GCMS)	· 1.00	< 1.00	*

Notes: Values are reported in micrograms per liter.

Peported values are excurate to three significant figures.

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- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - R -- Data did not meet quality control criteria and were rejected.

; ;

MA -- Mot Analyzed. RB - Rinse Blank TB - Trip Blank FB - Field Blank.

11177	05/28/90
#A1176	05/58/90
EA1173	05/28/90
Sample 10	Date

Analytes

Constitute				
(6095) 11.4 6.96 6.99 6.990 11.10 90.0 80.8 193 71.10 6.813 6.1.37 7.1.00	idilita 1 2-birblomethenes (cis & trans)	< 0.760	< 0.760	< 0.760
11.4 6.98 < 6.990 1.10 90.0 80.8 193 193 > 150 < 12.0 < 1.37 < 1.32	2-Dichlomethenes (cis L trans) (GOS)	< 5.00	< 5.00	1
6.98 < 6.990 1.10 90.0 80.8 193 > 150 < 12.0 < 1.37 < 1.32	***************************************	11.4	. 1.6	< 1.05
6.990 1.10 90.0 80.8 193 > 150 6.813 < 12.0 < 1.37 < 1.32		96.9	· 1.00	ş
1.10 90.0 80.8 193 > 150 < 12.0 < 1.37 < 1.32 < 1.32	arbon Tetrachloride	066-9 >	× 0.990	× 0.990
90.0 80.8 193 > 150 < 12.0 < 0.550 < 1.37 < 1.32 < 1.00	orbon Tefrachlatide (EDS)	1.10	× 1.00	ī
80.8 193 > 150 6.613 < 12.0 < 0.550 < 1.37 < 1.32 < 1.00	Localestics	0.06	· 0.820	< 0.528
193 > 150 0.813 < 12.0 < 0.550 < 1.37 < 1.32 < 1.00	hi contempo (GTE)	80.8	1.8	1
8.613 6.613 4 12.0 6 1.37 7 1.00 7 1.00	bloreform	193	< 0.500	0.612
6.813 < 12.0 < 0.550 < 1.37 < 1.32 < 1.00	Moroform (GDIS)	v 150	4 1.00	1
< 12.0 < 0.550 < 1.37 < 1.32 < 1.00 < 1.00 < 1.00	invescit learners	0.613	< 0.195	ş
< 0.550 < 1.37 < 1.32 < 1.00 < 1.00 < 1.00 < 1.00	(browship correspond (COS)	< 12.0	< 12.0	1
 < 1.37 < 1.00 < 1.32 < 1.00 	The state of the s	< 0.550	< 0.550	Ħ
< 1.00< 1.32< 1.00	that hersene	< 1.37	< 1.37	< 1.37
(600S)	thyl benzene (GDIS)	4 1.00	• 1.00	\$
(608)		× 1.72	¢ 1.2	ć 1.22
!!	- W-1 com (CTMS)	· 1.00	· 1.00	1
	ethylene Chicride	o 7.40	× 7.40	o y .7 ×

Notes: Values are reported in micrograms per liter.

Reported values are acturate to three significant figures.

< - indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> - indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected.

MA -- Not Analyzed.

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1711AH	06/92/20
MA1176	05/58/50
M1175	05/28/90
0; e 10	

Analyt

Date	05/92/20	05/58/90	05/58/30
Amalytes	4		
Voletiles			
Methylens Chloride (COMS)	1.00	. 1.00	\$
Machael Sectors	%·* ·	× 4.90	\$
mached (solute) Ketore (COS)	× 1.40	< 1.40	≦
Metal Florest Committee of the Committee	× 1.36	< 1.36	< 1.36
O,P-Xylene (3DK)	< 2.00	< 2.00	1
	6.750	. 0.7 50	< 0.750
	× 1.00	× 1.00	≦
Tetrachioroethere (FCHS)	2.67	< 1.67	< 1.67
	5.60	. 1.00	1
Trichloroethere	5.09	< 0.560	< 0.560
Title or and board (ATMS)	07.2	· 1.00	1
Visual Chloride	**	1	1
Vinyl Chloride (SCNS)	c 12.0	< 12.0	ź

Notes: Malues are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- indicates that the target ammlyte was not detected at or above the Certified Reporting Limit.

indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were

MA -- No: Analyzed. rejected.

RB - Rinse Blank 19 - Trip Blank FB - Field Blank.

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Table 84 Groundwater Duplicate Analytical Data

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\$ 30 K

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Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- or above the Certified Reporting Limit.
- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - R -- Data did not meet quality control criteria and were rejected. Dup Duplicate. MA -- Not Analyzed.
 - A -- Results considered anomalous based on evaluation of historical data and field GA/OC procedures.

•

	IIM 1022	IIA 1023	MA 1024	MA 1026
	10/31/89	11/05/89	11/27/89	10/31/89
	Pup of	Dup of	Dup of	Dup of
	37330	37367	S oller	37374
Analytes				
Hetals/Anions/General Chem				;
Sulfate	1	≦	s	≦
genic Carbo	£	£	á	¥
Total Suspended Solids	ĭ	£	≦	¥
2 inc	ŧ,	S	\$	¥
Phenols				1
2.3.6-Trichlorophenol (GDRS)	≦	4	≤	≦
2.4.5-Trichlorechenol (60%)	1	ī	1	1
2.4.6-Trichlerotherol (60%)	1	ĭ	\$	≦
2.4-Dichterochenol (GDS)	1	1	¥	₹
2,4-0 imthylphenol (GDS)	1	1	¥	1
Carried I considerated to the Carried Constitution of the	ā	á	ž	1
2-children (com)	£	ă	¥	≦
Company to the contract of the	1	*	1	1
(carps) towards(although C	≤	á	ī	1
Filtiple Action (COS)	¥	ĭ	ī	£
4-Hethylphenol (60%)	1	S	≦	a
4-Witropherol (GDKS)	š .	≦	1	\$

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at
 - or above the Certified Reporting Limit. \rightarrow -- indicates that the target analyte was detected at or
- above the Maximum Reporting Limit.

 R -- Data did not meet quality control criteria and were
 rejected. Oup Duplicate. NA -- Not Analyzed.
 - rejected. Oup Duplicate. MA -- Not Analyzed A -- Results considered annamalous based on evaluation of
 - A -- Results considered anomalous based on evalua

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Table B4 Groundwater Duplicate Amalytical Data

1

10/31/89 10/31/89 bup of 37374	\$	1111	1	1111
MA1024 11/27/89 Dup of Boller	í	4444	5 5 5 5 5	1111
11/02/69 09/20/11 0-p of 37367	á	1111	1111	1111
MA1022 10/31/89 Dup of 37330	1	1111	1111	* * * * *
Sample 10 Date	Analytes Phenols Phenol (GDIS)	Semivolatiles 1,4-Ocathiane 1,4-Ocathiane (GDIS) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDI) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE)	2,2-Bis(perachloraphenyl)-1,1-Dichloroethene (DCE) (GDE) 4-Chlorophenylmethyl Sulfide (GDE) 4-Chlorophenylmethyl Sulfide (GDE) 4-Chlorophenylmethyl Sulfone 4-Chlorophenylmethyl Sulfone 4-Chlorophenylmethyl Sulfone	4-Chlorophenylmethyl Sulfoxide 4-Chlorophenylmethyl Sulfoxide (GCMS) Aldrin Aldrin (GCMS) Atrazine

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- Oup Duplicate. MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.
 - A -- Results considered anomalous based on evaluation of

nistorical data and field OA/OC procedures.

	IN 1022	M1023	MA1024	MA1026
Date	10/31/89	11/02/89	11/27/89	10/31/89
	Dup of	Dup of	Dup of	Dup of
	37330	37367	Boiler	37374
Analytes				
Senivolatiles				;
Arrevine (CDE)	1	1	≦	≦
Personal property in the control of	\$	¥	\$	ĭ
Airesto (2.2.1) heats-2.5-diene	\$	ş	¥	1
Bis (2-Ethylberyl) Phthalate (60%)	ĭ	ş	ž	1
Caprolactem (GDIS)	1	ī	£	≦
	1	=	*	≦
	1	1	1	3
Chlordere (GDS)	•	i :	i :	1
Dicyclapentadiene	1	1	£ :	i i
Dicyclopentadiene (GORS)	≦	ī	≦	i
Dieldrin	1	4	ī	1
	£	1	1	\$
	•	£	£	1
	1	£	1	1
Bill Squity/Circulythaceparane (see)	i 1	*	≦	¥
Directly Lectry Prospounce	i 1	1	1	\$
Dimethylmethyl Phosphorete (GDS)	í	i	j	
Dithiam	¥	≦	1	,≨

Notes: Values are reported in micrograms per liter.
Reported values are accurate to three significant figures.
< -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MM -- Not Analyzed.

A -- Results considered anomatous based on evaluation of his rate and a DA/FF sed-

Table 84 Groundwater Duplicate Analytical Data

:	M 1022	IIA1023	MA 1024	M1026
	10/31/89	11/02/89	11/27/89	10/31/89
	Dup of	Oup of	yo dag	Pup of
	37330	37367	Bot ler	37374
liytes				
nivolatiles	1	1	1	1
ithiane (GOIS)	i :	1	1	≦
Endrin	1 1	·	1	1
Enderin (GOIS)	i ;	i a	1	≦
texach lorocyclopent adiene	£	1	i i	
lexachlorocyclopentadiene (GOIS)	1	≦	S	£
	1	£	≦	¥
Book in	: 1	1	1	\$
Isodrin (GCMS)	S :	i i	1	1
Melathion	≤	i :	1 1	i 3
Melathica (GCMS)	1	1	s :	i :
Perathion	¥	≦	ī	ś
	1	ĭ	£	1
Parathion (GJS)	i 1	1	3	≨
Pentachlorophenol (GCMS)	1 1	í á	i 3	\$
Supone		i i	i 1	
Supore (CCCS)	s	á	i ;	i :
Vapora	1	±	i	S
		;	3	3
Vapona (GDIS)	ī	£	ś	í

Reported values are accurate to three significant figures. Values are reported in micrograms per liter. Notes:

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- rejected. Dup Duplicate. MA -- Mot Analyzed. > -- indicates that the target analyte was detected at or R -- Data did not meet quality control criteria and were above the Maximum Reporting Limit.

,

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Sample 10	MA 1022	IM 1023	MA1024	MA 1026
Date	10/31/89	11/02/89	11/27/89	10/31/89
	Pup of	Dep of	Dup of	jo dng
	37330	37367	Boller	37574
Analytes				
Volatiles				
1,1,1-Trichloroethane	1	4	1	ž
1,1,1-Trickloroethane (GDIS)	ĭ	¥	≦	1
1,1,2-Trichloroethane	≨	¥	1	ī
1,1,2-Trichlanethene (GDB)	1	*	1	1
	1	£	£	ī
1.1-bichiomethere (20%)	1	1	£	1
1,1-Dichloroethere	1		\$	1
1,1-Dichloroethene (605)	1	≦	1	1
1,2-Dichloroethane	s	1	£	1
1,2-Dichloroethure (6015)	£	1	í	≦
1,2-Dichleroethenes (cis & trans)	£	1	1	ž
1,2-Dichloroetheres (cis & trens) (BOIS)	ă	1	ī	1
Benzere	ă	1	¥	á
Bergere (GDS)	1	1	1	*
Carbon Tetrachloride	1	1	1	≦
Cerbon Tetrachloride (GOIS)	í	1	í	≦

Reported values are accurate to three significant figures. Motes: Values are reported in micrograms per liter.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> .. indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed. A -- Data did not meet quality control criteria and were Dup - Duplicate. rejected.

A -- Results considered anomalous based on evaluation of himmerical development and finish DA/or -----educers

1

7

Reported values are accurate to three significant figures. Values are reported in micrograms per liter. Notes:

1

0,P-Xytene

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- MA -- Not Analyzed. -- Data did not meet quality control criteria and were Dup - Duplicate. rejected.
 - A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Semple 10	IM102.3	IM 1023	#A1024	MA1026
e de la companya de l	10/31/89	11/02/99	11/27/89	10/31/69
	Det of	of the	Oup of	orp of
	37330	37367	Boller	37374
Amilytes				
O.P-Mylene (GCNS)	1	¥	\$	¥
[etrachloroethere	¥	á	\$	ī
Tetrachloroethene (GDIS)	¥	1	1	ĭ
Toluene	1	1	\$	1
Toluene (GDIS)	1	1	1	1
Trichiornethere	3	S	1	1
Trichionethere (60%)	1	¥	\$	1
Visvi Chloride	097.0 >	097'0 >	× 0.460	· 0.460
Vinyl Chloride (CDIS)	1	1	¥	ś

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were rejected. Dup - Duplicate. MA -- Not Analyzed.

A -- Results considered anomalous based on evaluation of

Table B4 Groundwater Duplicate Analytical Data

Sæmple 1D Date	NA1027 11/08/89 Dup of 37396	NA1028 10/31/89 Dup of 37344	NA1029 11/09/89 Dup of 37323	NA1045 12/18/89 Dup of 37418	
Analytes					
Metals/Anions/General Chem	1	4	1	3.80	
Arsenic	 	4	4	° 6.78	
Codeius	i s	¥	1	29000	
Calcium	i s	¥	¥	160000	
Chloride	i 1	*	KM KA	< 10.8	
Chromium	í				
	1	\$	3	< 18.8	
Copper	 	≤	4	< 5.00	
Cyanide	i i	*	Ş	3290	
Fluoride	1	1	1	276	
Iron	i s	\	¥	< 43.4	
peal	i				
	4	4	1	199000	
Magnesium	i \$	*	*	197	
Xanganese	i 3	₹	≦	< 0.100 <	
Hercury	i i	\$	1	1200	
Witrite, Witrate Non-Specific	i i	≦ ≦	*	10200	
Potessium	i				
	≦	¥	غ	870000	

Reported values are accurate to three significant figures. Values are reported in micrograms per liter. Notes:

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or R -- Data did not meet quality control criteria and were above the Maximum Reporting Limit.
- rejected. Dup Duplicate. MA -- Not Analyzed. A -- Results considered anomalous based on evaluation of
 - historical data and field QA/QC procedures.

	HA*027	MA1028	MA1029	IM 1045
Sample (D	11/08/89	10/31/89	11/09/89	12/18/89
Date	of one	o dng	Dup of	Dup of
	37396	37344	37323	37418
Analytes				
Metals/Anions/General Chem		;	1	1500000
Sulfate	£	S :	i ;	9000
Total Organic Carbon	≨	S :	1 :	
Total Suspended Solids	4	≦	S :	3
Zine	\$	¥	S	<u>\$</u>
) Lucy				į
	≦	\$	\$	× 1.8
2,3,6-Irichlordmenol (surs)	7	\$	≨	< 2.80
2,4,5-Trichlorophenol (GDIS)	i	1	3	< 3.60
2,4,6-Trichlorophenol (GCMS)	í	i	\$	× 8.40
2,4-Dic:loraphenol (GDIS)	S :	:	3	07.7 >
2,4-Dimethylphenol (GCMS)	¥	š	É	<u>;</u>
	1	\$	1	× 176
2,4-Dinitrophenol (GDIS)	1	\$	1	< 2.80
2-Chlorophenol (GCMS)	i i	i s	1	< 3.60
2-Methylphenol (GCMS)	i :	i \$	1	6.20
2-Witrophenol (GCMS)	1	1 1	i 3	5
3-Methyl-4-Chlorophenol (GDRS)	\$	1	i	3
	1	\$	1	< 2.30
4-Nethylphenol (GOIS)	i ;	4	1	0.96 ^
4-Hitrophenol (GCHS)	i	ş	i	1

Motes: Values are reported in micrograms per liter. Reported values are accumate to three significant figures.

- -- indicates that the target analyte uss not detected at
 - or above the Certified Reporting Limit.
- above the Maximum Reporting Limit.
 R -- Data did not meet quality control criteria and were rejected. Dup Duplicate. MA -- Not Analyzed.
 - A -- Results considered anomalous based on evaluation of h al nd nd nA/r ed

Table B4 Groundwater Duplicate Analytical Data

Sample ID Date	MA1027 11/06/89 Dup of 37356	HA1028 10/31/89 bup of 373/4	MA1029 11/09/89 Dup of 37323	EA1045 12/18/89 Dup of 37418
nai, tes				
henols Phenol (GCHS)	1	\$	1	· 2.20
emivolatiles	•	3	.	8 .8
1,4-Oxathiane	1 1	1	\$	o.72 >
1,4-Oxathiane (GDRS)	i i	=	\$	0.139
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI)	1 1	i≦	1	< 18.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) (62.45) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE)	i §	1	*	007.0
	3	*	1	< 14.6
2,2-Bis(perachlorophenyl)-1,1-Dichloroethene (DDE) (GLAS)	i i	*	≦	< 5.69
4-Chlorophenylmethyl Sulfide	i :	1	\$	< 10.0
	íá	: ≦	1	< 7.46
4-Chlorophenylmethyl Sulfane (GDIS)	í S	4	1	< 5.30
	1	\$	1	< 11.5
4-Chlorophenylmethyl Sulfoxide	1 1	1	3	< 15.0
4-Chlorophenylmethyl Sulfaxide (GCMS)	i :	1	1	0.300
Aldrin	i 1	i s	1	< 13.0
Aldrin (GDKS)	i	1	\$	× 4.03
Atrazine	į			

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- > ... indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- R -- Deta did not meet quality control criteria and were
 - rejected. Dup Duplicate. MA -- Not Analyzed. A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Sample 10	MA1027 11/06/89	MA1028 19/31/89	MA1029 11/09/E9	LM 10K5 12, 18/89	
	of one	Dup of	Pup of	bup of	
	373%	37344	3723	37418	
Analytes					
Semivolatiles				;	
Atresine (GDS)	1	=	S	× 5.90	
	1	≦	≦	< 5.00	
Bissels (2 2 11 bands-2 5-digms	≦	· ≦	≦	< 5.90	
Bicyclo Legal in white the comment of the comment o	\$	ă	ĭ	£.7.	
10 (C-Ethineshi) Lumberer (man)	•	1	1	< 10.0	
Caproluctem (GDIE)	ś	í	í		
1	1	ž	ž	1.40	
	1	\$	¥	< 37.0	
	*	1	1	23	
Dicyclopentadiene	i ;	i 1	1	122	
Dicyclopentadiene (GDIS)	í		i :	j	
Dieldrin	1	≨	á	W.CO.U	
	s	1	1	< 26.0	
	\$	1	1	0057	
	*	≤	1	002 ^	
Olisqu'upy, recuythropinamie (eurs)	.	≤	1	< 0.188	
Dimethylmethyl receptationers	i 1	3	1	× 130	
Dimethylmethyl Phomphonate (GDS)	í	i	Ì		
	ĭ	\$	1	9.82	

Motes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

reported voters are executed and confidence and confidence that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte uns detected at or

above the Maximum Reporting Limit. ${\bf R}$ -- Data did not meet quality control criteria and were

rejected. Dup - Duplicate. NA -- Not Analyzed. A -- Results considered anomalous based on evaluation of

results considered market and the rec

Table B4 Groundwater Duplicate Analytical Data

	## 1027	MA1028	MA1029	IIA1045	
	11/06/39	10/31/89	11/09/09	12/18/89	
	po and	Out of	Dup of	Dup of	
	373%	37344	37523	37418	
Analytes					
Semivolatiles			•	ļ	
Dithiane (GOSS)	=	3	≦	5.5	
	ā	¥	¥	< 0.0500 <	
	¥	¥	ž	< 18.0	
	\$	3	\$	× 0,0480	
Hexach lorocycl apentacione	i s		1	× 5.0	
Mexachlorocystopentadiene (60MS)	£	í	i		
	\$	1	ş	0.120	
	1	≦	1	< 7.80	
Jeogrin (GUS)	i 1	≦	*	< 0.373	
Metathian	i 1	£	1	· 21.0	
Nelathian (GDS)	i ;	1	2	× 0.647	
Parathion	i	í	i		
	\$	\$	ī	< 37.0	
	1	1	1	< 9.10	
Pentachioragnenos (acts)	1	¥#	*	< 0.787	
Stocks .	1	1	á	< 19.8	
(ecry) supplies	1.3	1	\$	< 0.30¢	
Vapona	i	i	i		
(SIC)	ŧ	\$	\$	< 8.50	

Kotes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- ... indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- Dup Duplicate. MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.
 - A -- Results considered anomalous based on evaluation of

historical data and field OA/OC procedures.

į

.

	MK \$027	#A1028	WA1929	MA1045
or action	11,06/89	10/31/60	11/09/09	12/18/85
	Dup of	Oup of	Dup of	Dup of
	373%	37344	37723	37418
knalytes				
Volet iles			,	
1, 1, 1-Trichloroethane	≦	*	ž	6.760
1 1-Trichloroethure (GOIS)	ī	3	1	÷.
t 1 2-Sticklonethane	¥	*	1	× 0.780
1 1 2 J.Teichlorosthere (CTMS)	1	\$	=	× 1.00
į	\$	\$	•	6.730
	3	≦	£	< 1.00
	1	\$	\$	2.1.
1,1-0+cf.oroethere	i i	• 1	1	8.7
1,1-bichloroethane (GOIS)	= :	i i	i 1	7 12
1,2-Dichleroethane	¥	S		j :
1,2-Dichlorocthane (GDS)	₫'	1	S	1.41
	1	ž	<u>"</u>	< 0.760
Company of the second of the s	1	\$	\$	< 5.86
alorcethenes (CIS	1	*	Z	÷ 1.65
Denzere	. .	*	1	4 1.8
Benzere (GJNS)	i i	: :	7	60 6
Certon Tetrachloride	S	ă	í	
	1	£	1	* 1.00
Carbon Tetrachloride (GDPs)	i			

Motes: Values are reported in micrograms per liter.
Reported values are accurate to turee significant figures.
< -- indicates that the target analyte was not detected at

- or above the Certified Reporting Limit.
 > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- R -- Data did not meet quality control criteria and were rejected. Dup Duplicate. MM -- Not Analyzed.

 A -- Results considered grownlous based on evaluation of

A -- Results considered anomalous based on evaluation

Table 84 Groundwater Dupticate Analytical Data

Semple 10	MA 1027	IIA 1028	MA1029	MA 1045
Date	11/06/89	10/31/89	11/09/89	12/18/89
	Dup of	Pup of	Dup of	Pup of
	37396	37344	37323	37418
alytes				
olatiles				
Chlorobenzene	¥	1	≦	· 0.820
Chlorobenzene (GDIS)	1	1	≦	× 1.00
Chlorofora	≦	\$	≦	• 0.500
Chloroform (GCIS)	1	≦	1	· 1.00
Discourchloropopue	1	≦	¥	c 0.195
		;	;	9
Dibramochloropropane (GDS)	\$	≦	S	4 15.0
Dimethyl Digulfide	1	¥	S	< 0.550
Ethyi Benzene	≦	1	\$	< 1.37
Ethyl Benzere (COS)	1	¥	\$	6.1.0
R-Xytene	1	5	ī	< 1.X
Company of the Compan	1	1	1	× 1.00
n. Ayter Comm.	\$	¥	5	c 7.40
Market Chicago (6785)	¥	1	1	. 1.00
Method (extent) Ketone	ĭ	1	1	× 4.90
Methylisobutyl Ketone (GDRS)	£	1	1	× 1.40
O Duvid and	1	ă	¥	× 1.36

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

- indicates that the tinget analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- R -- Data did not meet quality control criteria and were rejected. Dup Duplicate, NA -- Not Analyzed.
 - A .- Results considered angualous based on evaluation of historical data and field OA/OC procedures.

:

MA1028 MA1029 MA1045 10/31/89 11/09/89 12/18/89 Dup of Dup of 37323 37418		HA < 2.00 HA HA 11.2 HA HA 7.50 HA HA 3.00 HA 11.00	HA 7.06 HA HA 4.80 < 0.460 < 0.460 HA HA 12.0
11/08/89 		* # # # #	997.0 >
Sample 10 Date	Analytes	Volatiles O,P-Kytone (SDIS) Tetrechloroethene Tetrachloroethene (GDIS) Toluena Toluena	Trichloroethene Trichloroethena (GDIS) Vinyl Chloride Vinyl Chloride (GDIS)

-- indicates that the target analyte was not detected at Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or R -- Data did not meet quality control criteria and were above the Maximum Reporting Limit.

MA -- Not Analyzed. A -- Results considered anomalous based on evaluation of rejected. Dup · Duplicate.

Table 84 Groundwater Dupticate Analytical Data

<u> </u>	WA1079	MA1165	MA1166	M1172
	06/22/90	05/22/20	02/21/90	05/27/30
	Dup of	Dup of	jo cing	pe dra
	37418	37407	37404	37435
Analytes				
Marels/General Chem				,
	•	< 2.50	< 2.50	< 2.35
Ai SCIII.	× 6.78	< 5.80	< 5.00	¢ 6.78
	174000	170000	240000	118000
	1800000	220000	360000	10000
	7.5	• 22.0	• 22.0	× 16.8
	5	< 10.0	< 10.0	× 18.8
# ************************************	~	< 8.90	· 8.90	< 5.00
	9069	× 1000	125	1740
ייייי ייייי	00797	37.5	ž	< 77.5
	< 43.4	< 52.0	< 52.8	< 43.4
	00408	00097	2000	36100
	9650	< 20.0	1360	12.6
	< 0.100	< 0.500	< 0.500	< 0.100
METCLAY Missace Membranisis	410	0027	4300	1800
Potassius	12200	\$	1	0259
Sodius	150000	220000	34,000	130000

Notes: Values are reported in misrograms per liter.

Reported values are accurate to three significant figures.

- ... indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - R -- Data did not meet quality control criteria and were rejected. Dup Duplicate. MA -- Not Analyzed.
 - A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

	M1079	IM1165	M1166	M1172	
200	06/22/90	05/22/90	05/12/20	05/22/20	
	Dep of	Dup of	pro of	po dag	
	37418	37407	37406	37435	
Analytes					
Metals/Anions/General Chem					
Sulfate	170000	230000	000099	30000	
Total Oceanic Carbon	15000	6.00	7.00	3000	
Total Currented Colide	0007 >	27.0	00"7 >	S	
Zinc	117	7.%	23.3	< 18.0	
Bhenri e					
2 2 Lieichlocombanni (CTRS)	5.1.v	S.1.	6.1.7	£.1.	
Constitution of the contract o	< 2.80	< 2.80	< 2.80	< 2.80	
Company of the state of the sta	× 3.66	< 3.60	· 3.66	< 3.60	
C.4.0"II TCHICOLOMBANA (COMC)	4 8.46	< 8.40	< 3.40	< 8.40	
2,4-Disethythenol (GOS)	07"7 >	07.7 >	07'7 >	o+.4 >	
Company (CTMC)	< 176	× 176	× 176	× 176	
	< 2.80	< 2.80	< 2.80	< 2.80	
Carrier Industrial Control of the Co	× 3.60	< 3.60	< 3.60	< 3.60	
(comp) topachianas-2	8 -8	8.20	8.2	< 8.20	
3-Nethyl-4-Chlorophenol (60%)	× 8.50	6.50	8.8	< 8.50	
	S	× 2.80	< 2.80	< 2.80	
(-Hethylphenol (GDS)	3 7			8	
4-Hitrophenol (GCMS)	~ % .0	a.0k ^). V	, ,	

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- .- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- R -- Data did not meet quality control criteria and were rejected. Dup Duplicate. MA -- Not Analyzed.
 - A -- Results considered anomalous based on evaluation of historical data and finia ON/Nr mingdam.

Table B4 Groundwater Duplicate Analytical Data

•	MA1079	MA1165	M1166	IN1172
Sample 10	06/22/90	02/22/30	05/21/30	05/27/20
Date	Den of	De of	Jo of	Pup of
	37418	37407	37404	37435
Analytes				
Phenols	~ 2.20	< 2.20	< 2.20	< 2.20
Menol (scho)				
Semivolatiles	,	;	1	\$ 6 7
1 A-Chathiane	9.90	\$	í	
	< 27.0	< 27.0	< 27.0	0.75 >
1,4-UGBCHERT (BOAS)	•	× 0.0590	< 0.0590	× 0.0490
2,2-Bis(perachlorgmenyl)-1,1-111Cator becomes (co.)	, 18 D	18.0	× 18.0	× 18.0
2,2-Bis(parachlorophenyi)-1,1,1-irichloroethame (uni) (uuns)			6770 0 7	0750 0 >
2,2-Bis(perachlorophenyl)-1,1-Dichloroethene (DDE)	• 0.05U	0000		
(SEE) (SM) and an in the second secon	· 14.0	< 14.0	0.21 >	. 14.6
2,2-Bis(parachiorquiany). 1,1-bichiolocurane (por.)	09'5	*	ž	· 5.69
(-Chlorophenythethyl Surfice	0.01 ^	× 10.0	< 10.0	× 16.0
(-Chlorophenylmethyl Surfice (GLAS)	97.2	¥	1	× 7.46
4-Chlorophenylmethyl surrons	8.5	< 5.30	< 5.30	× 5.30
4-Chlorophenylmethyl sulfane (eths)				
A Sample of the same of the sa	< 11.5	£	1	< 11.5
6-Chlorophenytimethyl surrowine	< 15.0	< 15.0	< 15.0	< 15.0
6-Chlorophenytimethyl Surrakiae (eu.s.)	× 0.0500	~	*	· 0.0500
Aldrin	4 13 0	< 13.0	< 13.0	< 13.0
Aldrin (60%)	20 7 7	•	3	< 4.03
Atrazine		í	İ	1

Values are reported in micrograms per liter. Notes:

Reported values are accurate to three significant figures.

- ... indicates that the target analyte was not detected at
- > ... indicates that the target analyte was detected at or
- Dup Duplicate. MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.
 - A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

or above the Certified Reporting Limit. above the Maximum Reporting Limit.

	EA1079	IM1165	M1166	M1172
Date	06/22/90	05/22/20	02/21/90	05/23/20
	Per of	Dup of	Dup of	orp of
	37418	37407	37404	37435
Analytes	;			
Semivolatiles				
Atrazine (GDIS)	< 5.90	· 5.90	× 5.90	· 5.90
Benzothiazole	< 5.00	1	¥	< 5.90
Ricyclo (2.2.1) hepta-2.5-diene	< 5.90	1	1	· 5.90·
Ris (2-Ethylheryl) Phthalate (GOIS)	× 7.70	8.7.v	£.7 ×	c 7.70
Caprolactam (GCHS)	· 10.0	K.7.	6.7.7	¢ 7.7
	< 0.095e	< 0.152	< 0.152	< 0.0950
Charlene (COS)	< 37.0	< 37.0	< 37.0	< 37.0
Dievelopatediene	95	\$	≦	< 5.60
Dievelopatediene (GDIS)	262	< 5.50	< 5.50	5.58
Dietdrin	< 0.0500	< 0.0539	< 0.0539	< 0.0500 ×
bieldria (2018)	\$. 6	\$ ·	· 26.0	· 28.0
Discussional Betweentherste	3300	ī	1	0.01
Dijeonomy Bethylchoschemic (GDS)	962 ^	< 21.0	76.4	< 21.0
Disasthriaethyl Phoenhonete	× 0.188	1	1	× 0.186
Disethylaethyl Phosphonate (GCHS)	c 130	× 130	< 130	× 130
Dithime	8 .0	1	1	41.34

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

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- or above the Certified Reporting Limit.
- MA -- Not Analyzed. R -- Data did not meet quality control criteria and were above the Maximum Reporting Limit.

> -- indicates that the target analyte was detected at or

A --- Results considered anomalous based on evaluation of his of sal don and first balling Oup - Duplicate. rejected.

	LA-1079	MA1165	M1166	1A1172	
Date	06/22/90	02/22/90	02/21/90	05/23/20	
	Jo ong	o de	Dup of	Dep of	
	37418	37407	37406	37435	
nalytes					
emivolatiles					
Dithing (60%)	< 3.30	, 3.30	< 3.30	< 3.30	
Fortin	• 0.0500	< 0.0600	< 0.0600 ×	• 0.0500	
Entrin (COMS)	· 18.0	< 18.0	< 16.0	· 18.0	
Heuschl control contentions	< 0.0480	•	~	< 0.0430	
Hereart record mantations (CTES)	· 54.0	· 54.0	< 54.0	< 54.0	
Isodein	0.103	< 0.0560	< 0.0560	< 0.0510	
landrin (CDS)	< 7.80	< 7.80	< 7,80	< 7.80	
He othics	1.63	3	1	< 0.373	
	< 21.0	< 21.0	< 21.0	< 21.0	
Parathion	1.07	1	\$	< 0.647	
	,				
Parathion (GOIS)	< 37.0	< 3/.0	9.7C >	9:75	
Pentachlorophenol (GDIS)	< 9.10	< 9.10	< 9.10	or.4 >	
Gross	< 0.787	¥	ī	< 0.787	
Curona (ETBS)	< 19.0	< 19.0	< 19.0	< 19.0	
Vapone	< 0.384	1	1	< 0.384	
				,	
Vapone (GOKS)	6.5 0	× 8.50	× 8.50	8.50	

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures. < -- indicates that the target analyte was not detected at

- or above the Certified Reporting Limit. \sim indicates that the target analyte was detected at or
- above the Maximum Reporting Limit.
 R -- Data did not meet quality control criteria and were rejected. Dup Duplicate, NA -- Not Snalyzed.

A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Table 84 Groundwater Duplicate Amelytical Data

	MA1079	IIA1165	MA1166	MA1172	
Sample 10	06/22/60	02/22/90	05/21/90	02/27/90	
Date	Den of	jo and	Dup of	Dup of	
	37418	37407	37404	37435	•
Amilytes					
volatiles	į	8	8	· 0 760	
1.1.1-Trichloroethane	< 0.760	÷	9.1	8	
1 1-Teicht croethare (GDS)	× 1.00	, 1.8	× 10.0	3 1	
	× 0.780	< 1.63	. 1.63	× 0.780	
1,1,2-iricatoroetnare	· 1.00	× 1.00	° 10.0	× 1.00	
1, 1,2-Trichloroethane (GUS)	57. 4	× 1.93	< 1.93	< 0.730	
1,1-Dichloroethane					
	4 1 m	× 1.00	< 70.0	< 1.00	
1,1-Dichloroethane (GDS)	£ .	· 1.65	× 1.85	6.1.78	
1, 1-Dichloroethere	9	× 1.00	× 10.0	· 1.00	
1,1-bicki oroethene (GDS)	2.7	< 2.07	< 2.07	< 1.10	
1,2-Dichloroethane		8 .	< 10.9	* 1.00	
1,2-Dichloroethane (FDIS)	3.	<u>;</u>			
	0,760	41.75	K.1.	< 0.760	
-	9 5.80	< 5.00	< 50.0	· 5.00	
1,2-Dichicroethenes (cis & trans) (www)	8	4.62 A	30.0 A	19.2 A	_
Denzere	8 + 4	2.56 A	12.4 A	1.67	
Benzene (GCMS)	06.0	× 1.69	3.44 A	1.X2 A	_
Carbon Tetrachloride					
Carbon Tetrachtoride (GOIS)	4 1.00	< 1.00	< 10.0	1.0	

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

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- > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.
- MA -- Not Analyzed. R -- Data did not meet quality control criteria and were above the Maximum Reporting Limit. rejected. Dup - Duplicate.
 - A -- Results considered anomalous based on evaluation of

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Table 84 Groundwater Duplicate Analytical Data

Sample 10	HA1079	NA1165	HA1166	MA1172	22
Date	06/52/90	02/22/20	02/21/90	02/21	8
	Dup of	Dup of	Jo drag	2	* 5
	37418	37407	37404	374	SŞ.
Analytes					
Volatiles					
Chlorobenzene	29.7	38.5 A	150 A	71.6	<
Chlorobenzere (GCRS)	85.5	31.7 A	91.3 A	4.4	
Chloroform	45.1	V 9.67	V 055	330	<
Chloroform (GDIS)	5.30	4 0.04	S10 A	v 150	
Dibromochloropropane	0.391	\$	¥	1.37	∢
Dibromochloropropane (GOMS)	< 12.0	< 12.0	< 12.0	< 12.0	<
Dimethyl Disulfide	< 0.550	4	¥	< 0.55	_
Ethyl Berzene	< 1.37	× 0.620	· 0.620	< 1.37	
Ethyl Benzene (GCNS)	· 1.00	• 1.00	< 10.0	. 1.00	
H-Xylene	< 1.32	× 1.04	< 1.0k	< 1.32	
H-Xylene (GCMS)	< 1.00	4 1,00	< 10.0°	· 1.00	
Hethylene Chloride	o 7.40	< 2.48	< 2.48	° 7.40	
Nethylene Chloride (GCHS)	· 1.00	· 1.00	< 10.0	£ - 3	
Methylisabutyl Ketane	۰ 4.90	¥	\$	× 4.9	
Hethylisobut/l Ketane (GDKS)	< 1.40	< 1.40	< 14.0	× 1.40	
0,9-Xylene	¢ 1.36	× 1.34	< 1.34	4 1.36	

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- . -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- R -- Data did not meet quality control criteria and were rejected. Dup Duplicate, NA -- Not Analyzed.
 - A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Sample 10	MA1079	NA1165	HA1166	MA1172
Date	06/22/90	05/25/90	05/17/20	02/27/90
	Dup of	Dup of	o dro	Out of
	37418	37407	37404	37435
Analytes				
Volatiles				
0,P-Kylene (GDIS)	< 2.00	< 2.00	< 20.0	< 2.00
Tetrachloroethene	8.98	< 2.76	< 2.76	< 0.750
Tetrachloroethene (GOMS)	• 1.00	< 1.00	< 10.0	× 1.00
Toluene	< 1.67	< 2.10	4.35 A	3.23
Toluene (GDIS)	• 1.00	× 1.00	· 10.0	2.10
Trichloroethene	6.18	< 1.31	6.65 A	2.43 A
Trichloroethene (GDMS)	< 1.00	· 1.00	< 10.0	2.10
Vinyl Chloride	¥	ភ	\$	¥
Vinyl Chloride (GCMS)	< 12.0	< 12.0	× 120	< 12.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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R -- Data did not meet quality control criteria and were above the Maximum Reporting Limit.

MA -- Not Analyzed. rejected. Dup - Duplicate. NA -- Not Analyzed
A -- Results considered anomalous based on evaluation of

Table B4 Groundwater Duplicate Analytical Data

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Sample 10	IM1173	MA1174	HA1196
Date	05/58/30	03/01/90	06/13/90
	Pup of	Dup of	Dup of
	37438	37439	37444
Ansiytes			
Metals/Anions/General Chem	!		
Arsenic	< 2.35	< 2.35	< 2.35
Cardinium	< 6.78	< 6.78	e.78
Calcium	00959	00£66	00266
Chloride	000082	200002	140000
Chronica	< 16.8	< 16.8	< 16.8
Concer	7.02	× 16.8	< 18.8
Cyanide	< 5.00	· 5.00	œ
floride	0907	2350	1320
	c.77.5	< 77.5	¥
peal	< 43.4	< 43.4	< 43.4
Remesica	21000	27100	21900
Nerseneke	× 9.67	21.0	1
Mercury	< 0.100 <	< 0.100	1.49
Eltrite. Eltrate Mon-Specific	2000	1800	4200
Potessium	2190	3000	2800
Sodius	250090	160000	10000

Motes: Values are reported in micrograms per liter.

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 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- R -- Data did not meet quelity control criteria and were rejected. Oup Duplicate. NA -- Not Analyzed.
 - A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Sample 10	MA1173	MA1174	MA1198	
Date	05/52/20	03/01/90	06/13/90	
	Dup of	Dup of	Dup of	
	37438	37439	37444	
alytes				
tals/Anions/General Chem	• • • • • • • • • • • • • • • • • • •			
Sulfate	170000	170000	130000	
Total Organic Carbon	2000	2000	1000	
Total Suspended Solids	1	4	4	
Zinc	· 18.0	< 18.0	· 18.0	
·				
2,3,6-Trichloraphenol (GCMS)	6.1. ≯	٠1.7	× 1.70	
2,4,5-Trichtorophenol (GCMS)	< 2.80	< 2.80	< 2.80	
2,4,6-Trichlorophenol (GDMS)	× 3.60	< 3.60	< 3.60	
2,4-Dichlorophenol (GCMS)	07°9 ×	8.4 0	× 8.40	
2,4-Dimethylpheryl (GDIS)	09"9 >	07"7 >	07.4 >	
2,4-Dinitrophenol (6015)	× 176	< 176	× 176	
2-Chlorophenol (GDKS)	< 2.80	< 2.80	< 2.80	
2-Nethylphenol (GCMS)	× 3.60	< 3.60	< 3,60	
2-Hitrophenol (GDIS)	6.20	6.20	6.20	
3-Nethyl-4-Chlorophenol (GDIS)	· 8.50	< 8.50	· 8. 50	
(-Nethylphenol (GCIS)	< 2.80	< 2.86	< 2.30	
(-Hitrophenol (GCMS)	0.96 >	• %.0	0.96.0	

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- R -- Data did not meet quality control criteria and were rejected. Dup Duplicate. NA -- Not Analyzed.
 - A -- Results considered anomalous based on evaluation of

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Table B4 Groundwater Duplicate Analytical Data

Sample 10	IM1173	HA1174	. MA1198	
Date	05/58/50	03/01/90	06/13/90	
	jo drag	Dup of	po and	
	37438	37439	37444	
n				
Phenois				
Phenol (GDIS)	< 2.20	< 2.20	< 2.26	
Semivoletiles				
1.4-Ocethiene	< 2.38	< 2.38	8£.5 >	
1.4-Oxathiene (60%)	< 27.0	< 27.0	< 27.0	
2.2-Bis(perachtorophenyl)-1,1,1-Trichtoroethane (001)	< 0.0690	< 0.0490	< 0.0490	
2,2-Bis(perachlorathenyl)-1,1,1-Trichloroethane (DDT) (GDIS)	< 15.0	< 18.0	< 18.0	
2,2-8is(perachlorophenyl)-1,1-Dichloroethene (BDE)	< 0.0540	< 0.0540	< 0.0540	
2.2-8(s(parach(orothern()-1.1-0)ch(oroethere (DDE) (GDIS)	< 14.0	× 14.0	0.41 >	
A-Chloropenylaethyl Sulfide	× 5.69	< 5.69	< 5.69	
4-Chlorophemimethyl Sulfide (GDIS)	· 10.0	< 10.0	< 10.0	
4-Chlorophenylaethyl Sulfone	× 7.46	< 7.46	× 7.46	
4-Chlorophenyinethyl Sulfone (GOIS)	< 5.30	< 5.30	< 5.30	
4-Chierophery leethy! Sulferide	< 19.5	< 11.5	< 11.5	
4-Chlorophenylmethyl Sylfoxide (GDIS)	< 15.0	< 15.0	< 15.0	
Aldrin	< 0.0590	< 0.0500	< 0.0500	
Aldrin (GDIS)	< 13.0	< 13.0	< 33.0	
Atrazine	< 4.03	< 4.03	. 4.03	

Values are reported in micrograms per liter. Kotes:

Reported values are accurate to three significant figures.

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- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- NA -- Not Analyzed. R -- Data did not meet quality control criteria and were Oup - Juplicate. rejected.
 - A --- Results considered anomalous based on evaluation of

historical data and field QA/OC procedures.

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	IIA1173	HA1174	MA1196	
4	05/58/90	03/01/90	06/13/90	
	Pup of	bup of	out of	
	37438	37439	37,44	
Analytes				
Serivolatiles			•	
Atravire (COS)	< 5.90	< 5.90	< 5.90	
Designation of the control of the co	< 5.00	< 5.30	< 5.00	
Binelo (2 2 11 houts-2 5-diens	< 5.90	< 5:90	· 5.90	
Bis (2-Ethylbery) Phthalate (505)	¢ 7.70	c 7.70	× 7.70	
Caprolectam (GOIS)	6.7.7	6.7.	< 10.0	
An and and	0.0950	0.0950	< 0.0950	
This course	< 37.0	< 37.0	< 37.0	
	× 5.00	< 5.00	< 5.90	
Dispersion and the control of the co	× 5.50	< 5.50	< 5.50	
Dieldrin	0.110	< 0.0500	< 0.0500	
	¢ 28.0	. < 26.0	< 26.0	
Discussion Mathematical	3.76	2.56	5.54	
principality menty throughouse (CTMS)	< 21.0	< 21.0	< 21.0	
Disagraphy meny personners	< 0.168	< 0.188	< 0.188	
Dimethylmethyl Phosphorate (GDIS)	× 130	o≿t ^	< 130	
Dithiane	× 1.36	× 1.34	< 1.34	

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

- < -- indicates that the target smallyte was not detected at
- or above the Certified Reporting Limit.
- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- MA -- Not Analyzed. A -- Lata aid not meet quality control criteria and were Oup - Duplicate. rejected.
 - A -- Results considered anomalous based on evaluation of

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Table 84 Groundwater Duplicate Analytical Data

i de la companya de l	HA1173	441174	IIA1198	
-1	05/58/90	03/01/90	06/13/90	
	to duc	po dng	Dup of	
	37438	37439	37444	
bracktes				
Serivalerites				
Dithiese (42%)	< 3.30	× 3.30	< 3.30	
Endrin	< 0.0500	< 0.0500 <	< 6.0500	
Endrin (COSE)	< 18.0	< 18.0	< 18.0	
Heach to sove I contradients	× 0.0480	< 0.0480	< 0.0480	
Nexach: procyclopentadiene (GDE)	, 54.0	o. 75. o	· 54.0	
	6.6510	< 0.0510	< 0.0510	
The second secon	< 7.80	< 7.80	< 7.80	
Helectrics	< 0.373	< 0.373	< 0.373	
delathies (2015)	< 21.0	< 21.0	< 21.0	
Perathion	< 0.647	< 0.647	< 0.647	
Parathin (CCIS)	< 37.0	< 37.0	< 37.0	
Bentaching (EDES)	< 9.10	< 9.10	< 9.10	
Comme	< 0.787	< 0.787	< 0.787	
Canona (ECHS)	< 19.9	< 19.0	< 19.0	
Vapons	< 0.364	× 0.384	< 0.384	
Vegene (GCMS)	8.5 0	< 3.50	< 8.50	

Motes: Values are reported in Picrograms per liter.

Reported values are excurate to three significant figures. < -- indicates that the target smalyte was not detected at or above the Certified Reporting Limit.

- > -- indicates that the target analyte was detacted at or
 - -- Bata did not meet quality control criteria and were above the Maximum Reporting Limit.
- rejected. Dup Duplicate. NA -- Not Analyzed. A -- Results considered anomalous based on evaluation of

historical data and field QA/OC procedures.

. Sample 10	MA1173	MA1174	HA1198
Date	05/22/20	03/01/90	06/13/90
	Dup of	Dep of	to dut
	37438	37439	37445
Amalytes			
folatiles			
1,1,1-Trichloroethane	< 0.760	< 0.760	< 0.760
1,1,1-Trichtornethame (SOIS)	. 1.00	× 1.00	* 1.00
1,1,2-Trichloroethane	< 0.780	< 0.780	< 0.780
1,1,2-Trichtoroethane (GOIS)	. 1.00	< 1.00	c 1.00
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730
1,1-Dichleroethane (GOS)	• 1.00	• 1.00	· 1.00
1,1-Dichloroethene	S.1.	٠1.۶	c 1.70
1,1-Dichloroethene (GOMS)	. 1.00	· 1.06	. 1.00
1,2-Dichloroethane	< 1.10	< 1.10	< 1.10
1,2-Dichloroethame (GOIS)	4 1.00	< 1.90	· 1.00
1,2-Dichloroethenes (cis & trans)	< 0.750	< 0.760	< 0.766
1,2-Dichloroethenes (cis & trans) (GDS)	< 5.00	< 5.00	< 5.00
Denzerre	21.9	2.07 A	· 1.05
Berzene (GDS)	13.2	2.2	.1.00
Carbon Tetrachloride	2.13 A	< 0.990 ×	< 0.990
Carbon Tetrachloride (GDRS)	2.05	× 1.00	× 1.00

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or
- above the Maximum Reporting Limit.
 R -- Data did not meet quality control criteria and were rejected. Bup Duplicate. MA -- Not Analyzed.
 - rejected. Bup Duplicate. NA -- Not Analyzed A -- Results considered and malous based on evaluation of

-- Results considered misalous based on

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Table 84 Groundwater Duplicate Analytical Data

Somple 10	EX.1173	MA1174	MA1196	
Dete	05/28/30	03/01/90	06/13/50	
	Dep of	Dup of	Dup of	
	37438	37439	37444	
nalytes				
Matiles				
Chlorobenzene	110 A	18.2 A	× 0.620	
Chlorobenzene (COS)	115	¥ 5.05	.1.00	
Chloroform	¥ 097	34.4 A	3.23	
Chlorofura (60%)	v 150	%.0 A	3.10	
Dibramochlorapropene	1.10 A	0.463 A	< 0.195	
Dibranch Loraropere (GOIS)	< 12.0	< 12.A.	< 12.0	
Dimethyl Disutfide	< 0.550	< 0. 550	< 0.550	
Ethyl Berzene	< 1.37	< 1.37	< 1.37	
Ethyl Berzere (GDS)	· 1.00	· 1.00	. 1.00	
H-Kyl ane	¢ 1.32	< 1.32	< 1.32	
H-IV/Gre (GOS)	· 1.00	4 1.00	• 1.00	
Rechylene Chloride	4 7.40	o+'L' >	c 7.40	
Methylene Chloride (GDIS)	. 1.00	· 1.00	× 1.00	
Methyl isotucyl Ketone	06.4 >	8.4 ×	6.7 °	
Hethylisobutyl Ketone (GOIS)	· 1.40	< 1.40	< 1.40	
0,P-Iyiene	× 1.36	< 1.36	< 1.36	

Notes: Values are reported in micrograms per liter.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - R -- Data did not meet quality control criteria and were calerted than Danicate MA -- Not Analyzed.
- rejected. Oup Duplicate. MA -- Not Analyzed.
 A -- Results considered anomalous based on evaluation of historical data and field QA/QC procedures.

Souple 10	IA1173	HA1174	HA1198
Date	02/28/90	03/01/90	96/13/90
	37438	37439	37444
Analytes	,		
Volatiles	ı		
O,P-Nyterne (GOIS)	× 2.90	< 2.00	< 2.00
Tetrachloroethene	< 0.750	< 0.750	< 0.750
Tetrachioroethene (GDS)	× 1.90	• 1.00	• 1.00
Toluene	3.77 A	< 1.47	< 1.47
Tolume (EDIS)	3.90	1.20 A	< 1.00
Trichloroethere	3.47 A	< 0.560	< 0.560
Trickloroethene (6015)	1	1.20 A	· 1.80
Vinyi Chlaride	\$	1	1
Vinyl Chloride (GDIS)	< 12.0	< 12.0	< 12.0

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not defected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- R -- Data did not meet quality control criteria and were rejected. Dup Duplicate. NA -- Not Analyzed.
 - A -- Results considered anomalous based on evaluation of

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Table 85 Investigative Analytical Data

for Dane c Well Samples

Sample 10 Date	0920014090 01/17/89	68/90/60 060/100260	1902111#E0 02/27/90	Ne10614108 05/36/90	
Analytes					
Metals/Anions/General Chem		4	< 2.15	á	
Arsenic	(6.3)	1	W. 4 >	*	
	3 .0	É		i	
	2170	≦	9035	1	
	5130	¥	80%	≦	
Charle	0.42 >	1	× 16.8	\$	
	· 26.0	£	× 18.8	¥	
Copper	8 5	1	< 5.00	1	
Cymride	27.5	4	3090	1	
fluoride	1	1	< 77.5	≨	
	£ 6	1	< 43.4	ž	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.4	i			
	5	1	149	≦	
Magnesium	1	S	× 9.67	¥	
Harderese	£ 6,	i ≦	< 0.100	1	
Nercuty		1	2000000	\$	
Mitrite, Mitrate Mon-Specific	8	i :	1240	S	
Pocaesium	SQ V	1	,		
	78000	1	000%	≦	
Sodius	00224	1	10300	a	
Sud fate		1	× 1000	¥	
Total Organic Carbon	1	í	1		

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

-- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> -- indicates that the target unalyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed. $R \to 0$ and $R \to 0$ and $R \to 0$ and $R \to 0$ at a did not neet quality control criteria and were rejected.

Table 85 Investigative Analytical Data for Domestic Well Samples

Sample ID Date	09200TNB90 01/17/89	0920014090 09/06/89	1002111PE0 02/27/90	10100Tv108 05/30/90	
Analytes					
Metals/Anions/General Chem Zinc	• ZZ.0	á	· 18.0	1	
Phenols 1 2 4 4 - 1 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8.1.	× 1.3	× 1.70	¥	
•	*	< 2.80	< 2.86	\$	
2. A.T(ab) manufactor (COMS)	< 3.60	× 3.60	< 3.60	\$	
	07.8	× 8.40	× 8.40	1	
2,4-0 inethylphenol (90%)	07"7 >	05.4 >	07"	ĭ	
(SEC) jumpunging) (× 176	4 176	× 176	1	
2-thembook (COS)	< 2.80	< 2.80	< 2.80	1	
(SELD) company to the C	< 3.60	009'0 >	× 3.60	1	
2-Miteropheron (CATS)	× 8.20	< 3.00	6.20	ī	
3-Hethyl-6-Chlorophenol (GDIS)	. 8.5 6	< 0.300	< 8.50	1	
(SELECT) Comment of the Control of t	< 2.80	009"0 >	< 2.80	ž	
(SEC) (SECE)	× 96.0	007'0 >	× 96.0	1	
Phenol (GDIS)	< 2.20	< 0.320	< 2.20	¥	
Sanivolatiles	\$ C >	< 1.97	, 2, 38	≤	
	\$ 27.0	0,160	< 27.0	ī	
1,4-Unathumre (GLMs)	0.0490	1	× 0.0490	2	
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) (GCMS)	< 18.0	< 1.20	× 18.0	i	

Notes: Values are reported in micrograms per liter.

< -- indicates that the target analyte was not detected at Reported volues are accurate to three significant figures.

> .. indicates that the target analyte was detected at or or above the Certified Reporting Limit. above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

Table B5 Investigative Amelytical Data for Domestic Well Samples

Sample ID Date	09200Tu090 01/17/89	0920010090 · 09706789	10021TuPE0 02/27/90	10100TV108 05/36/90
Semivolaties				
2.2-Bis/carachlorophenyl)-1.1-Dichloroethere (DDE)	< 0.0540	*	· 0.0540	\$
2 2-Bis (perachloropheryt)-1,1-0 ichtoroethere (DDE) (GDIS)	< 14.0	< 3.39	< 14.0	¥
4-Chineothery activity Sulfide	< 5.69	< 10.5	< 5.69	1
	· 10.0	× 1.30	< 10.0	1
	< 7.46	e. 4 . 7	× 7.46	*
4-Thioronderwinethy Sulfore (GOS)	< 5.30	¢ 0.750	< 5.30	¥
	< 11.5	< 15.2	< 11.5	≦
	< 15.0	< 0.500	< 15.0	1
	× 0.0500	1	< 0.0500	ī
Atdrin (GDRS)	< 13.0	< 0.800 ×	< 13.0	1
Arrayina	< 4.03	< 4.03	< 4.03	ĭ
Atracine (CDS)	< 5.90	< 0.500	< 5.90	§
Beauthiszole	· 5.00	< 0.00234	< 5.00	1
Ricarlo (2 2 11 heats-2.5-diene	< 5.90	< 5.90	< 5.90	\$
Bis (2-Ethythexyl) Phthalate (GDIS)	ž	á	or.7 >	1
Carrol metall (CDS)	1	1	× 7.70	¥
Chloches	< 0.0950	≦	< 0.0950	≦
Chlordene (CDS)	< 37.0	< 0.260	< 37.0	ş

Motes: Values are reported in micrograms per liter.

- < -- indicates that the target analyte was not detected at</p>
 - > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit. above the Maximum Reporting Limit.

 - -- Data did not meet quality control criteria and were NA -- Not Analyzed. R -- Data did not R rejected.

jable B5 Investigative Analytical Data for Domestic Well Samples

Sample 10 Date	0920014090 01/17/89	C60N109Z60	10021TUPE0 62/27/90	1010011/106 05/30/98	
Analytes					
Semivolatiles	8	. 5.00	\$ ·	ž	
Dicyclapentaliene	5.5	× 0.560	< 5.50	\$	
Dicyclopentagiene (GJPs)	< 0.0500	\$	< 0.0500	s	
	\$ \$ 7	< 0.930	< 26.0	\$	
Distoragy! Rethylphosphone:e	1.32	27.1	< 0.392	< 0.392	
	< 21.0	. 1.60	< 21.0	ā	
Director described for the second sec	< 0.188	67.73	< 0.188	< 0.188	
	× 55	• 0.700	× 130	1	
Ulmitry (metry): Thoughtoneste (mens)	×1.×	< 0.114	×1.34	1	
Dithiere (GDRS)	< 3.30	< 0.710 ×	< 3.30	s	
	0.0500	\$	< 0.0500	\$	
Endrin	× 18.0	< 0.100	< 18.0	1	
Endrin (GJS)	< 0.0480	00,000	< 0.0488	\$	
	×.	< 0.520	o. %	*	
resident of cyclopental or turns.	< 0.0510	\$	< 0.0516	1	
	< 7.80	· 0.990	< 7.80	ž	
BOOT IN (ULAS)	< 0.373	< 0.373	< 0.373	3	
Malachich Malathich (GDMS)	< 21.0	0.620	< 21.0	3	

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significent figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

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R -- Data did not meet quality control criteria and were

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Table B5 Investigative Analytical Data for Domestic Well Samples

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Sample 10	092001W090 01/17/89	09200TW090 09/08/89	10021TUPE0 02/27/90	10100TV108 05/30/90
alytes				
i uni no i late				
Parathion	× 0.647	< 0.647	< 0.647	\$
Sarathion (EDS)	< 37.0	< 8.10	< 37.0	\$
Pertach arothern (GDS)	< 9.10	< 0.290	< 9.10	¥
Succes	< 0.787	< 0.787	< 0.787	\$
Supone (GDIS)	< 19.0	< 3.90	< 19.0	ž
encount.	< 0.384	< 0.384	< 0.384	\$
Vapone (GCIS)	× 8.50	0.670 >	< 8.50	≨
latiles				
1,1,1-Trichloroethane	< 0.760	≨	< 0.760	< 0.760
1,1,1-Trichloroethane (GCMS)	\$	\$	× 1.00	¥#
1.1.2-Trichloroethane	× 0.780	¥	< 0.780	< 0.780
1.1.2-Trich(oroethere (GOIS)	\$	\$	· 1.00	¥
1,1-Dichloroethane	< 0.730	≦	< 0.730	< 0.730
1.1-Dichloroethere (GOIS)	¥	¥	< 1.00	¥
1,1-Dichloroethere	v.1.70	ž	۰.1.ک	× 1.70
1.1-Dich(proethere (GOIS)	¥	\$	· 1.00	≨
1,2-Dichtoroethane	< 1.10	\$	< 1.10	< 1.10
1,2-Dichloroethane (GDIS)	≦	YI	· 1.00	¥
1,2-Dichloroethenes (cis & trans)	c 0.760	¥	< 0.760	< 0.760

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
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rejected.

Table 85 Investigative Analytical Data for Domestic Well Samples

Sample 10 Date	092001w090 01/17/89	09200Tu090 09/08/89	10021TUPE0 02/27/90	10100Tk106 05/30/90
Analytes				
Volatiles	1	¥	< 5.00	ž
1,2-Dichloroethenes (cis & trans) (GUS)	i ¥	≦	< 1.05	ī
Berzene	3	s	. 1.00	S
Senzene (GDMS)	£ 8	\$	4 0.990	066.0 >
Carbon Tetrachlorids Carbon Tetrachloride (GDMS)	1	≦	. 1.00	1
		ž	< 0.820	< 0.820
Chlorobenzene	30.0	1	.1.00	*
Chlorobenzene (GCMS)	£ 5.	: ≦	< 0.500	0.500
Chloroform	2000 v	≦	4 1.00	4
Chloroform (GDIS)	< 0.195	< 0.195	< 0.195	¥
Dibramochi dropa upane		;	,	\$
	< 12.0	• 0.2 0	0.2f >	S S
Dibromocht orque upane (ucres)	< 0.550	< 0.133	< 0.550	5 :
Dimethyl Disulfide	< 1.37	4	< 1.37	1
Ethyl Benzene	*	≦	. 1.00	3
Ethyl Benzene (GCKS)	×1.32	≦	< 1.32	¥
H-Xyl ene				;
	1	¥	· 1.00	4 :
H-Xylene (GDS)	oy'L >	ş	o 7.40	< 7.40
Methylene Chloride	4	1	· 1.00	≦

... indicates that the target analyte was not detected at Reported values are accurate to three significant figures. Values are reported in micrograms per liter. Hetes:

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> -- indicates that the target analyte was detected at or or above the Certified Reporting Limit. above the Maximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were MA -- Not Analyzed. R -- Data did not m

Table B5 Investigative Analytical Data for Domestic Well Samples

Sample ID Date	092001W090 01/17/89	092001u090 59/08/89	19021TUPE0 02/27/90	101001v108 05/30/90
Analytes				
	%°*,	06.4 >	o., ,	≦
Methyl isobutyl Retone	\$	1	< 1.40	\$
Methylisobuty: Ketone (GURS)	× 1.3	\$	< 1.36	ş
O,P-Xylene	\$	3	< 2.00	≦
0,P-Xylene (GDKS) Tetrachloroethere	× 0.750	±	× 0.756	< 0.750
	47	\$.1.9	ī
Tetrachloroethene (GDIS)	777	1	< 1.47	≦
Toluene	1	\$	× 1.00	¥
Toluene (GDIS)	3	*	< 0.560	< 0.560
Trichloroethere (GCMS)	≦	≦.	· 1.00	≦
Vinyl Chloride (GCMS)	ş	á	< 12.0	1

Values are reported in micrograms per liter. Hotes:

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 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

Table 85 Investigative Analytical Data for Domestic Well Samples

Sample 10 Date	10150TWW2 95/30/90	1072014BR1 09/08/89	10720TUBR1 12/25/89	10791TUBRI . 05/09/90
Analytes				
Metals/Anions/General Chem	-			
Arsenic	≦	¥	< 2.35	\$
Cadeius	¥	£	c 6.78	\$
Calcium	¥	¥	143000	\$
Chloride	ž	£	150000	≦
Chronium	.	į	< 16.8	≦
Comper	≦	. \$	× 18.8	≦
Cyanide	ā	£	< 5.00	≨
Fluoride	¥	¥	1830	\$
fron	¥	¥	1	\
Lead	1	ź	< 43.4	ĭ
Magnesium	ž	ā	34100	\$
Kanganese	≦	¥	\$	\$
Hercury	¥	\$	< 0.100	1
Witrite, Witrate Non-Specific	ĭ	¥	7800	\$
	≨	≦	4180	\$
3	3	1	•	1
	á	≦	TOURING	\$
Sulfate	¥	S	30000	\$
Total Organic Carbon	¥	ş	1400	ş

Values are reported in micrograms per liter. Notes:

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 R -- Data did not m

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Table 85 Investigative Analytical Data for Domestic Well Samples

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Sample 10 Date	10150TANY2 05/30/90	107201 us R1 09/08/89	107201WBR1 12/28/89	1079114881 05/09/90
Analytes				
Metals/Anions/General Chem			. ;	;
Zinc	≦	≦	κ. Χ	š
Phenol s				;
2.3.6-Trichtoraphenot (CONS)	≦	× 1.70	۲ . ۲	≦
2 & Strichloreshenol (GDIS)	1	< 2.80	< 2.86	\$
2 & A-Trichlocophenol (GDIS)	¥	< 3.60	< 3.60	3
2 thirthornhood (CDS)	1	0 7.8 ×	< 8.40	≦
2,4-Dimethylphenol (GDIS)	\$	05"5 >	07.7 >	¥
	s	× 176	× 176	≦
2.chcompount (COMS)	\$	< 2.80	< 2.80	\$
Company (company company)	1	009.0 >	< 3.60	¥
(SMA) Company (II) 24.2	\$	< 3.00	< 8.20	ĭ
3-Nethyl-4-Chlorophenol (GDIS)	\$	< 0.300	< 8.50	S
	1	0.600	< 2.80	\$
4-Metnylphenol (such)	.	007.0 >	· %.0	¥
Phenol (GONS)	≦	< 0.320	< 2.20	*
Semivoletiles				
4. A-Creathing	≨	< 1.97	< 2.38	=
t, the other (CMS)	\$	< 0.160	< 27.0	¥
2 2.ate(noranh) comban()-1.1.1-Trichloroethane (DDI)	ž	MA	< 0.0490	¥
2,2-Bis(parachlorophenyl)-1,1-Trichloroethane (DDI) (GCMS)	\$	< 1.20	< 18.0	á

Motes: Values are reported in micrograms per liter.

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 - > -- indicates that the target analyte was defected at or above the Maximum Reporting Limit.
- MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data for Domestic Well Samples

Sample 10	10150TUNY2	10720TuBR1	10720TUBR1	10 791TLBR !
Date	05/30/50	69/00/60	12/28/89	05/06/50
Amiytes				
Semivolatiles				
2.2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE)	1	4	< 0.0540	≦
2.2-8is(parachloropheryl)-1,1-Dichloroethene (DDE) (GCMS)	1	< 3.39	< 14.0	¥
6-Chlorophenylmethyl Sulfide	3	< 10.5	< 5.69	¥
	1	< 1.30	< 10.0	≦
6-Chlorophenylmethyl Sulfone	4	R.4.	× 7.46	1
4-Chlorophenylmethyl Sulfone (GDIS)	1	< 0.750	< 5.30	\$
	\$	< 15.2	< 11.5	¥
	4	< 0.500	< 15.0	≨
	1	¥	< 0.0500	\$
Aldrin (GDIS)	ī	< 0.800	< 13.0	\$
Atrazine	ş	< 4.03	< 4.03	Ħ
Atrazine (GCIS)	≨	< 0.500	< 5.90	3
Benzothiazole	\$	< 0.00234	< 5.00	<u> </u>
Sicyclo (2,2,1) hepta-2,5-diene	\$	< 5.90	< 5.90	ş
Bis (2-Ethylheryl) Phthalate (GOIS)	1	≦	€.7.×	\$
Cannolactam (COS)	1	\$	× 7.78	\$
Chlordene	¥	≨	< 0.0950	1
Chlordene (CDIS)	\$	< 0.260	< 37.0	KA

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Notes: .Values are reported in micrograms per liter.

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R -- Data did not meet quality control criteria and were

Table 85 Investigative Analytical Data for Domestic Well Samples

Sample 10 Date	10150TUNY2 05/30/90	10720TuBR1 09/08/89	10/2014BR1 12/28/89	107911 use 1 05/09/90
Analytes				
Serivolatiles	ī	< 5.00	< 5.00	ş
Dicyclopentaglene	1	< 0.560	< 5.50	¥
Dicyclopentaciene (GLPs)	i 5	\$	< 0.0500	1
Dielorin	1	< 0.930	< 26.0	ĭ
Dietorin (GJPS) Diisoprapyl Methylphosphonate	5.11	81.0	90.0	13.4
Company of the second s	S	7.3	56.6	ş
Dijsopropyl Nethylphosphormic (st.ns.)	< 0.188	< 4.23	< 0.188	< 0.188
Dimetry inetry: Prospinorale	≦	0.700	× 130	≨
Dimetnylmetnyl Phosphonete (ocas)	\$	< 0.114	< 1.34	≨
Dithiane (GDS)	\$	< 0.710	< 3.30	á
	3	4	< 0.0500	¥
	1	< 0.100	< 18.0	≦
	ā	0.0490	< 0.0480	≨
Nexachlorocyclopentadiene		< 0.520	· 54.0	\$
Rexact longsyctopental tens /	4	\$	< 0.0510	\$
	3	066 0 >	< 7.80	\$
Isodrin (GOIS)	í	< 0.373	< 0.373	ž
Malathion Halathion (GDIS)	1	· 0.620	< 21.0	≨

> -- indicates that the target analyte was detected at or

Motes:

Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data for Domestic Well Samples

Sample ID Date	10150T4MYZ 05/30/90	10720TuBR1 09/08/89	107201 uB R1 12/2 8/89	10791148R1 05/09/90
Analytes				
Smivolatiles	3	< 0.647	< 0.647	¥
Parathion	±	8.10	< 37.0	\$
Peratrion (MAS)	\$	· 0.290	. 9.10	≨
nordprene i	¥	< 0.787	< 0.787	≨
supprise (ECPS)	á	< 3.90	< 19.0	1
	£	< 0.384	< 0.364	¥
Vapone (GDRS)	≤	0.670 >	< 8.50	≦
Volatiles	;	1	72 2	072 0 7
1,1,1-Trichloroethane	70.70 1	§ \$	4	1
1,1,1-Trichloroethane (GCMS)	002.0	í á	× 0.780	× 0.780
1,1,2-Trichloroethane	\$	1	¥	\$
1,1,2-Trichloroethane (GUNS) 1,1-Dichloroethane	× 0.730	\$	0.730	< 0.730
	1	\$	\$	\$
1,1-bichloroethene (GDS)	R	\$	· 1.70	s.1.3
	\$	≦	\$	¥
1,1-01ch oroethere (dus)	< 1.10	¥	< 1.10	< 1.10
1,2-Dichtoroethare (GOS)	¥	≦	¥	ī
1,2-Dichloroethenes (cis & trans)	< 0.760	4	· 0.760	< 0.760

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- .- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Analyzed.

.b

R -- Data did not meet quality control criteria and were

Table 85 Investigative Analytical Data for Domestic Well Samples

Sample 10 Date	101501 48 172 05/30/90	10720T4BR1 09/08/89	10720148R1 12/28/89	10791TUBR1 05/09/90
Analytes				
Volatiles	≦	\$	≦	≨
1,2-Dichloroethenes (cis & trans) (u.ms)	\$	*	· 1.05	¥
Berzere	1	¥	¥	¥
Benzene (GDS)	× 0.990	ā	× 0.990	< 0.990
Carbon Tetrachloride Carbon Tetrachloride (GDMS)	1	\$	1	5
	× 0.820	\$	< 0.820	< 0.820
Chlorobenzene	1	3	≦	1
Chlordbenzene (GDIS)	5	\$	1961	< 0.500
Chloroform	1	4	ş	1
Chloroform (GCMS) Dibromochloropropene	i á	< 0.195	< 0.195	≦
	1	6.250 • 0.250	< 12.0	¥
Dibromochioropropene (GCNS)	i s	< 0.133	< 0.550	\$
Dimethyl Disulfide	i s	1	< 1.37	1
Ethyl Beizene	i s	1	≦	1
Ethyl Benzene (GDKS) H-Xxlene	í s	\$	< 1.32	` S
	\$	*	ş	ž
H-Xylene (GDIS)	£ 7	1	< 7.40	oy'L >
Nethylene Chloride		1	\$	≦
Hethylene Chloride (GCMS)	S	ĺ		

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.
R -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data for Domestic Well Samples

Sample 1D Date	10150TWIY2 05/30/90	10720TuBR1 09/08/89	10720TuBR1 12/28/89	107917uBR1 05/09/90
Analytes				
				•
Rethyl isobutyl Ketone	\$	6. 5	6.4 ×	≦
Methylisobutyl (Cetone (GDIS)	¥	4	\$	≦
O.P-Itylene	¥	1	< 1.36	\$
0.P-Xylene (60%)	\$	≦	≨	\$
Tetrachloroethere	< 0.750	\$	< 0.750	< 0.750
Tetrachloroethere (SOS)	¥	\$	S	\$
	\$	¥	< 1.47	ă
Toluese (COS)	≦	\$	1	¥
Trichloroethere	< 0.560	· His	< 0.560	< 0.560
Trichloroethene (GCMS)	¥	≦	1	5
Vinyl Chloride (GDIS)	\$	ă	ž	\$

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Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Mot Analyzed. R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data for Domestic Well Samples

Sample 10 Date	110101 UMAV 01/26/90	110711W112 01/31/89	1107174112 08/21/90	11295Tu108 01/31/89
Analytes				
Metals/Anions/General Chem	~ 2.3 5	< 2.35	< 2.35	< 2.35
- TSENIC	× 6.78	07.8 >	6.73	9.4 0
Cachium	93500	101000	117000	00909
		28000	00026	35000
	< 16.8	< 24.0	< 16.8	< 24.0
	× 18.8	< 26.0	< 18.8	< 26.0
Copper	< 5.00	6.16	< 8.90	5.87
Cyanide	C C	1630	1660	1640
Fluoride	≤	\$	< 77.5	¥
Lead	< 43.4	0.47 >	< 43.4	< 74.0
	24000	22600	30800	14800
Hegresium	1	¥	< 9.67	ž
Mangantese	010	< 0.100	1.64	< 0.100
	0020	0002	5300	3100
Mitrite, Mitrate Mon-Specific Potessium	3120	3190	0625	1970
;	100000	80500	130000	90209
	- cac	220000	230000	100000
Sulfate Total Organic Carbon	× 1000	ĭ	2400	¥

Values are reported in micrograms per liter. Motes:

⁻⁻ indicates that the target analyte was not detected at Reported values are accurate to three significant figures.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. or above the Certified Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were MA -- Not Analyzed.
R -- Data did not rejected.

Table 85 investigative Analytical Data for Domestic Well Samples

Sample ID · Date	1101CTMAN 01/26/90	110711V112 01/31/89	11071T4112 08/21/90	11295TV108 01/31/89
Analytes				
Metals/Anions/General Chem Zinc	5%2	36.5	28.7	24.9
Phenols	£ .	£	£ .	6.1.v
2,3,6-Trichlorophenol (GDS)	× 2.80	< 2,80	< 2.80	< 2.80
C. 4. 2. infinite operator (COMS)	3.60	< 3.60	< 3.60	< 3.60
2 4-0 (all languages) (GTIS)	× 8.40	× 8.40	07·8 ×	07.8 >
2,4-0 inethylphenol (GDIS)	07'7 >	07.7 >	07.5 >	07.7 >
2 L.Diniternahama (ECTES)	< 176	× 176	× 176	× 176
	< 2.80	< 2.80	< 2.80	< 2.80
2-Herbylothern (COS)	< 3.60	< 3.60	< 3.60	< 3.60
2-Hitrorhend (GOMS)	× 8.20	× 8.20	< 8.20	× 8.20
3-Nethyl-4-Chlorophenol (GCNS)	< 8.50	< 8.50	× 8.50	< 8.50
4-tertry (dem) (608s)	< 2.80	< 2.80	< 2.80	< 2.80
7-Hitcorpenol (EDS)	× 96.0	× 98.0	· %.0	. 0.%
Phenot (GCNS)	< 2.20	< 2.20	< 2.20	< 2.20
Semivolatiles				i
1.6-Ouathiene	< 2.38	< 2.38	< 2.38	< 2.38
1.4-Oxathiane (GCMS)	< 27.0	< 27.0	< 27.0	< 27.0
2.2-8is(narachlorophenyl)-1,1,1-Trichloroethane (001)	< 0.0490 <	< 0.0490	0.0490	· 0.0490
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) (GCMS)	< 18.0	< 18.0	< 18.0	< 18.0

Notes: Values are reported in micrograms per liter.

- -- indicates that the target smalyte was not detected at or above the Certified Reporting Limit.
 - > .. indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- NA -- Not Analyzed. R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data for Domestic Well Samples

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Sample ID Date	11010TUHAV 01/26/90	1107114112 01/31/89	11071TV112 08/21/90	11295TW108 01/31/89
Analytes				
Semivolatiles			0.30	0790 0 7
2,2-Bis(parachiorophenyl)-1,1-Dichloroethene (DDE)	< 0.0540	0.0340 v	04000	0.00
2.2-Ris(narach(orauheny()-1.1-Bichloroethene (DDE) (GCMS)	< 14.0	< 14.0	× 14.0	< 14.0
4-chlocoment methyl Sulfide	< 5.69	< 5.69	< 5.69	< 5.69
	× 10.0	< 10.0	< 10.0	< 10.0
	× 7.46	< 7.46	< 7.46	< 7.46
4-Thioropherylaethyl Sulfore (BDS)	< 5.30	< 5.30	< 5.30	< 5.30
	< 11.5	< 11.5	< 11.5	< 11.5
	< 15.0	< 15.0	< 15.0	< 15.0
	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Aldrin (GDRS)	< 13.0	< 13.0	< 13.0	< 13.0
	< 4.03	< 4.03	< 4.03	< 4.03
Atherine (CTMS)	< 5.90	< 5.90	< 5.90	< 5.90
	× 5.00	< 5.00	< 5.00	< 5.00
Beignet (2 2 1) hants-2 S-dista	< 5.90	< 5.90	< 5.90	< 5.90
Bis (2-Ethylhexyl) Phthalate (GDS)	× 7.70	غ	c 7.70	\$
	< 10.0	≦	< 7.70	1
	< 0.0950	< 0.0950	< 0.0950	< 0.0950
Chlordane (CDS)	< 37.0	< 37.0	< 37.0	< 37.0

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Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table 85 Investigative Analytical Data for Domestic Well Samples

Sample 10 Date	11013FIMAY 01/26/90	110711W112 01/31/89	110711W112 08/21/90	11295TV108 01/31/89
Analytes				
Serivolatiles	;		\$	\$
	9.5	9. c ,	8 5	85.
Dicyclopertadiene (GDKS)	4 3.30	< 3.30 < 0.0500	< 0.0500	× 0.0500
Dieldrin comes	< 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphorate	14.9	13.7	10.0	~
Difference Methyl shouthants (CDS)	< 21.0	< 21.0	· < 21.0	< 21.0
Disetty lasthy Bhorrions?	× 0.188	0.382	< 0.188	< 0.188
nimethylmethyl Phoenhouste (CDS)	130	× 130	× 130	< 130
Dithins	×1.34	41.34	× 1.34	×1.34
Dithiam (50%)	< 3,30	< 3.30	< 3.30	< 3.30
	< 0.0500	· 0.0500	· 0.0500	< 0.0500
Cochin (COS)	< 18.0	· 18.0	< 18.0	< 15.0
Have the control count adjene	00.0480	· 0.0480	< 0.0490	< 0.0 500
Handel and control control in (CINS)	. X.	· 54.0	< 55.0	° ¥.°0
Isodrin	< 0.0510	< 0.0510	< 0.0510	< 0.0510
Spane - I To - I	× 7.80	< 7.80	< 7.80	× 7.80
	< 0.373	< P.373	< 0.373	< 0.373
Malathion (GDMS)	< 21.0	< 21.0	< 21.0	< 21.0

Notes: Values are reported in micrograms per liter.

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table 85 Investigative Analytical Data for Domestic Well Samples

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Sample 1D Date	11010TUMAY 01/26/90	110711W112 01/31/89	11071TU112 08/21/90	112951v10 6 01/31/89
Analytes				
Semivolatiles	277 0 >	× 0.647	< 0.647	< 0.647
Parathion of the contract of t	< 37.0	< 37.0	< 37.0	< 37.0
Personal (CCDS)	< 9.10	< 9.10	< 9.10	< 9.10
	< 0.787	< 0.787	< 0.787	< 0.787
Suports (GCRS)	< 19.0	< 19.0	< 19.0	< 19.0
Vanne	< 0.386	< 0.384	< G.384	< 0.394
Vepone (GDIS)	< 8.50	· 8.50	× 8.50	< 8.50
Volatiles		į		÷
1,1,1-Trichloroethane	× 0.760	< 0.760	× 9.760	90 Y
1,1,1-Trichloroethare (GCMS)	· 1.00	4	. 1.8	4
1.1.2-Trichloroethane	< 0.780	< 0.780	< 0.780	6 0.780
1 1 2-Trichlorethane (GUS)	< 1.00	¥	× 1.00	¥
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730	o 0.730
(Apple of the property of the party of the p	4 1.00	≨	< 1.00	1
1, I DICHEO CENTRE (MAS)	5.1.	6.1.70	o.1.2	5.1.3
1,1-Diction between (CTBC)	× 1.00	¥	· 1.00	≦
1. Politico consensa (esta)	< 1.10	< 1.10	< 1.10	< 1,10
1,2-Dichloroethare (90HS)	< 1.00	¥	٠ 1.00	¥
1,2-Dichloroethenes (cis & trans)	< 0.760	• 0.760	< 0.760	< 0.760

Notes: Values are reported in micrograms per liter.

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 - > -- indicates that the target analyte was detected at or above the Naximum Reporting Limit.
 - MA -- Mot Analyzed.
- R -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data for Domestic Well Samples

	11010TUMAY	11071TW112	110711W112	11255TV108
Date Date	01/56/90	01/31/69	08/11/90	01/31/69
Analytes				
Volatil es				
A D A LAND CONTRACT OF A PROPERTY (CITIES)	< 5.00	\$	< 5.00	≦
al or oethernes	· 1.65	× 1.65	· 1.05	· 1.05
	× 1.00	\$	• 1.00	¥
Berzere (GJAS)	06.0	060.0 >	° 0.990	< 0.990
Carbon letrachlorioe Carbon Tetrachloride (GDIS)	× 1.00	\$	< 1.00	1
	< 0.820	◆ 0.B20	< 0.820	< 0.820
	× 1.00	≦	· 1.00	≨
Chloroperizere (durs)	× 0.500	• 0.500	2.32	· 0.500
Chloretorn	· 1.00	ĭ	23.0	¥
Chioroform (was) Dibromochloropropere	< 0.195	< 0.195	< 0.195	< 0.195
	E (1)	. 12.0	< 12.0	< 12.0
Dibromochloropropene (GUS)	0.550	< 0.550	< 0.550	< 0.550
Dimethyt Disuttide	< 1.37	c 1.37	< 1.37	< 1.37
Ethyl Benzene		*	• 1.00	≦
Ethyl Berzene (GJRS) H-Xylene	¢1.72	¢ 1.32	< 1.32	< 1.32
	1.00	*	· 1.00	ş
H-Aylere (GUS)	< 7.40	< 7.40	< 7.40	o , 7.40
Methylene Chloride (GCMS)	× 1.00	≦	4 1.00	4

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

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^{.-} indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data for Domestic Well Samples

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Sample 1D Date	11010 TURIAV 01/26/90	1107111112 01/31/89	110711U112 08/21/90	11295Tu106 01/31/89
Analytes				
Volatiles methol isolatri Ketone	%**	06.4 >	%**	06.4 >
Methyl isobutyl Ketone (GDKS)	6.1.60 2.1.50	¥ .1.>	° 1.40	× 1.36
O,P-Xylene	< 2.00	ž	< 2.00	¥
O,P-Kylene (GJRS) Tetrachloroethere	< 0.7 50	< 0.750	6.7 50	< 0.750
	9,1,0	\$	· 1.00	Ä
Tetrachloroethere (GDRS)	× 1.47	< 1.47	< 1.47	< 1.47
Toluene	, 1.00 1.00	≦	< 1.00	≨
Toluene (GDS)	× 0.560	× 0.560	< 0.560	< 0.560
Trichloroethere (GOIS)	· 1.00	£	· 1.00	¥
Vinyl Chloride (GOIS)	< 12.0	M	< 12,0	*

Hotes: Values are reported in micrograms per liter.

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

⁻⁻ indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data for Domestic Well Samples

Sample 10 Date	1129514108 06/22/90	11295F4/108 08/24/90	11460TuPE0 06/21/90	11755TURE 05/30/90
Amilytes				
Metals/Anions/General Chem	1 4 6 6 6 6 6 1 1 1			
Arsenic	< 2.35	\$	< 2.35	¥
Cadrius	< 6.78	\$	6.78	ĭ
Calcius	00662	1	113000	á
Chloride	00059	4	86000	*
Chronica	< 16.8	1	< 16.B	£
Copper	× 18.8	\$	× 18.8	1
Cyanide	× 8.90	1	6.90	\$
Fluoride	1520	1	1510	≦
	< 77.5	1	< 77.5	\$
Lead	7.75	¥	< 43.4	\$
Hagnesium	18900	1	29600	£
Marganese	< 9.67	ş	× 9.67	≨
Reroury	1.34	4	1.09	≦
Mitrite, Mitrate Mon-Specific	37:00	1	5300	≦
	3240	1	2430	ş
Sodium	26000	1	120006	¥
Sul fate	14,0000	≦	160000	≨
Total Organic Carbon	1	190v	2200	\$

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- ... indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - IM -- Not Analyzed.

;<u>}</u>

ď.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data for Domestic Well Samples

Sample ID Date	11295TV106 06/22/90	11295TU108 08/24/90	11460TUPE0 08/21/90	11755TUBR1 05/30/90
alytes				
tals/Anions/General Chem Zirc	% 8.	ā	< 18.0	ĭ
slores	3	¢ 1.78	× 1.70	4
2,3,6-frichlordmenti (www)	1	< 2.80	< 2.80	1
2,4,5-Trichlorophenol (4UNS)	3	< 3.60	< 3.60	a
2,4,6-Trichlorophenol (GUNS)	\$	07.8 >	8.40	≦
2,4-Dichlorophenol (ULTS) 2,4-Dimethylphenol (CDS)	≦	07.7 >	07.7 >	ş
	±	< 176	× 176	į
2,4-Dinitrophenol (GDS)	1	< 2.80	< 2.80	≨
2-Chloropherol (GUS)	1	< 3.60	< 3.60	*
2-Nethylphenol (G.75)	1	6.20	× 8.20	≦
2-Nitrophenol (6D/S) 3-Nethyl-4-Chlorophenol (6D/S)	ž	8.50	× 8.50	£
	\$	< 2.80	< 2.80	1
4-Hethylphenol (GDES)	2	· 96.0	• 96 .0	¥
4-litraphenol (GDRS) Phenol (GDRS)		< 2.20	× 2.20	1
emivolatiles	\$	< 2.38	< 2.38	غ
1,4-Ouathiume	.	< 27.0	< 27.0	≨
1,4-Okathiane (GDRS)	.	× 0.0490	0.0000.	\$
2,2-8is(parachterophenyt)-1,1,1-11 time cerman (2017)	\$	< 18.0	< 18.0	ī

Motes: Values are reported in micrograms per liter.

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 - -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

 - \mbox{MA} -- Not Analyzed. \mbox{R} -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data for Domestic Well Samples

Sample ID Date	11295TV106 06/22/90	11295Tu108 08/24/90	11460TUPE0 08/21/90	11755TUBR1 05/30/90
Analytes				
Senivolatiles				
2 2-Bis/nerschlorarbenyl]-1,1-Bichloroethene (906)	¥	• 0.0540	· 0.0540	1
2 2-8 is (námech) contact (1-1,1-0) (chi croethere (00E) (60HS)	¥	· 14.0	< 14.0	1
(-chiermannimathol Sulfide	ĭ	< 5.69	69.5 ×	≨
(Call contract matter Call tide (COS)	1	< 10.0	< 10.0	ş
4-Chlorophenylmethyl Sulfone	í	¢ 7.46	× 7.46	≦
(MLS) and leading land and the first	ź	< 5.30	< 5.30	1
4-categorian party of facile	≦	< 11.5	< 11.5	\$
4-chloropheny metal culturity (CTS)	1	< 15.0	< 15.0	¥
	1	< 0.0500 ×	< 0.0500	1
Aldrin (90%)	1	< 13.0	< 13.0	≦
1	\$	< 4.03	× 4.03	\$
ALTERIOR AND AND AND AND AND AND AND AND AND AND	1	< 5.90	< 5.90	ī
Alfazine (alas)	\$	< 5.00	< 5.00	ž
	\$	< 5.90	< 5.90	1
Bis (2-Ethylhexyl) Phthalate (GDIS)	1	o.7.70	6.7.	1
-	¥	< 10.0	6.7.×	1
	3	< 0.0950	< 0.0950	≦
Chlordene (SDIS)	1	< 37.0	< 37.0	¥

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> .. indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

Table 85 Investigative Analytical Data for Domestic Well Samples

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Sample 10 Date	11295TW106 08/22/90	112951V106 08/24/90	11460TUPEO 06/21/90	11755TWBR1 05/30/90
Analytes				
Semivolatiles				
Diextlocentadiene	4	< 5.00	< 5.00	\$
Dicyclopentadiene (GDS)	1	< 5.50	< 5.50	\$
	±	< 0.0500	< 0.0500	ĭ
Dieldrin (GDS)	4	< 26.0	< 26.0	≦
Diisopropyl Methylphosphonate	1	3.24	0.830	< 0.392
Diisograpy! Nethylphosohorate (GCMS)	ž	< 21.0	< 21.0	\$
Dimethyl Phosphorate	1	< 0.188	< 0.188	9.92
Dimethylmethyl Phosphonate (GDIS)	1	× 130	< 130	¥
Dithiene	1	< 1.34	< 1.34	¥
Dithiane (GCMS)	ī	< 3.30	< 3.30	¥
Fatrin	ā	< 0.0500	< 0.0500	ž
Endrin (GDS)	≦	< 18.0	< 18.0	≨
Mexach lorocyclopentadiene	ĭ	< 0.0486	< 0.0480	≦
Hexach longsyclopentadiene (GDIS)	4	× %.0	· 54.0	¥
Isodrin	≦	< 0.0516	< 0.0510	¥
(SEE) ujahori	¥	< 7.80	< 7.80	\$
Kelathion	.	< 0.373	< 0.373	\$
Halathion (GCHS)	1	< 21.0	< 21.0	¥

Values are reported in micrograms per liter. Notes:

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 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data for Domestic Well Samples

Sample ID Date	11295TM10B 06/22/90	11295TV108 06;24/90	11460TAPE0 D6/21/90	11755TUBR1 05/30/90
Analytes				
Semivolatiles	1	< 0.647	× 0.647	ĭ
	1	< 37.0	< 37.0	≦
	*	< 9.10	< 9.10	≦
H Or Opposite	1	< 0.787	< 0.787	í
Supplies (SDS)	1	< 19.0	< 19.0	≦
	\$	< 0.384	< 0.364	
Vapone Vapone (GDIS)		· 8.50	< 8.50	1
Volatiles	- 27.	\$	092 0 >	092.0 >
1,1,1-Trickloroethane	6.19	i ≨	× 1.00	\$
1,1,1-Trichloroethane (GUS)	0.780	1	< 0.780	< 0.780
	× 1.00	1	· 1.00	\$
1, 1-Dichloroethane	< 0.730	1	< 0.730	< 0.730
	, 1 36	≦	× 1.00	1
1, 1-Dichloroethane (GUS)	2.1	1	× 1.70	s.1.2
1,1-bichtoroethere	96.	1	< 1.00	¥
f, 1-bichloroethere (GDPs)	< 1.10	1	< 1.10	< 1.10
1,2-Dichloroethare (GDS)	4 1.00	\$	× 1.00	≦
1,2-Dichloroethenes (cis & trans)	< 0.760	ž	< 0.760	< 0.760

Motes: Values are reported in micrograms pc. .iter.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Naximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were MA -- Mot Analyzed. R -- Data did not m

Table B5 Investigative Analytical Data for Domestic Well Samples

Sample 1D	1129511106	11295TV108	11460TUPE0	11755TuBR1 05/30/90
Date	na/77/9n	00/ £4/ 30		
Analytes				
Volatiles			;	
1 2-Dichloroetheres (cis & trans) (GOIS)	< 5.00	≦	· 5.00	š
	· 1.05	\$	< 1.05	≦
	· 1.00	1	< 1.00	≦
Marketine (u.m.)	× 0.990	1	< 0.990	< 0.990
Carbon Tetrachloride (60%)	. 1.00	1	. 1.00	≨
		;	6	908 0
Chlorobenzene	× 0.820	\$	V.0C0	
Chicohensene (EDIS)	· 1.00	≨	· 1.00	≨
Care Care Care Care Care Care Care Care	< 0.500	\$	< 0.500	< 0.500
	.1.00	ş	· 1.00	1
Dibromochl orapropere	< 0.195	a	< 0.195	ī
Company	3	< 12.0	< 12.0	돌
	≦	< 0.550	< 0.550	1
DIMETRY DISAFFICE	< 1.37	ş	< 1.37	1
ברושלו הפוקפוב	4 1.90	1	< 1.00	≦
Etayl Beligne (900)	< 1.32	≨	< 1.32	1
	5	3	· 1.00	\$
H-Xylene (GOIS)	S:	.	07.7 >	< 7.40
Nethylene Lincorioe Nethylene Chtoride (G21S)	· 1.00	≦	< 1.00	≦

Notes: Values are reported in micrograms per liter.

- . indicates that the target analyte was not detected at or above the Certified Reporting Limi..
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Fot Analyzed.
- R -- Jata did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data for Domestic Well Samples

Sample 10 Date	1129514108 08/22/90	112951V108 06/24/90	11460TUPE0 06/21/90	11755TMBR1 05/30/90
Analytes			•	
Methylisobutyl Ketone	\$	o6.4 ×	o. 4 . 90	M
Methylischutyl Ketone (GCMS)	< 1.40	\$	< 1.40	4
O,P-Xylene	× 1.36	¥	< 1.36	\$
0,P-Xylene (GCMS)	< 2.00	ī	< 2.00	#
Tetrachloroethene	· 0.750	\$	< 0.750	< 0.750
Tetrachloroethene (GCMS)	× 1.00	1	× 1.00	\$
Toluene	< 1.47	ĭ	< 1.67	ş
Toluene (GOIS)	· 1.00	¥	· 1.00	\$
Trichlanethene	< 0.560	\$	< 0.560	< 0.560
Trichloroethene (GDRS)	× 1.00	1	< 1.00	ī
Vinyl Chloride (GCMS)	< 12.0	\$	< 12.0	¥

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Values are reported in micrograms per liter. Notes:

Reported values are accurate to three significant figures.

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were MA -- Not Analyzed.
R -- Data did not m

}

Table B5 Investigative Analytical Data for Domestic Well Samples

Sample 10	11510TUBRI	11830TV112	11830TV112	\$1841Tu096
Date	05/10/90	01/31/89	09/08/89	68/0/60
Anslytes				
Metals/Anions/General Chem				
Arsenic	غ	< 2.35	ž	¥
Codeius	1	07.8 >	4	¥
Calcium	≦	100001	¥	¥
Chloride	1	87000	¥	1
Chronium	1	< 24.0	ž	¥
Copper	¥	¢ 26.0	\$	¥
Cyanide	\$	12.0	\$	ĭ
Fluoride	1	1940	ĭ	ĭ
I'm .	ž	1	ĭ	ĭ
Lead	≦	< 74.0	ĭ	≦
Magnes i un	3	32500	¥	3
Nanganese	≦	¥	¥	¥
Heraury	ş	< 0.100 ×	¥	1
Witrite, Witrate Won-Specific	*	3400	ā	1
Potessic	1	7500	¥	ž
	3	98200	\$	≦
Sulfate	≨	200060	¥	¥
Total Organic Carbon	1	¥	4	1

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- MA -- Not Analyzed.
- R -- Data did not meet quality control criteria and were rejected.

Table 85 Investigative Analytical Data for Domestic Well Samples

Sample 1D Date	11810TUBR1 05/10/90	11830TU112 01/31/89	11830Tu112 09/08/89	118411W96 09/07/89
Analytes				
Metals/Aniors/General Chem Zinc	1	< 22.0	\$	1
s) curele			;	
2.3 A. Trichlorumbenol (GDS)	£	S.I.	R:	٠١./٥
Call Control of the Control of the Call of	1	< 2.80	< 2.80	< 2.80
	1	< 3.60	× 3.60	× 3.60
2,4,6-iricalorquaerot (ucas)	1	× 8.40	· 8.40	9.4 0
2,4-8/chloropherol (GJS) 2 4-binethyloherol (CQS)	1	07.7 >	4.40	o 7.4 >
	1	× 176	× 176	× 176
2,4-Dinitrophenol (GDS)	i 1	< 2.80	< 2.80	< 2.80
2-Chlorophenol (GOIS)	1	< 3.60	009'0 >	009'0 >
2-Hethylphenol (GDS)	i 1	< 8.20	× 3,00	< 3.00
2-Hitropherol (GOIS)	í S	. 8.50	< 0.300	< 0.300
S-Methyl-s-Litteraphieses (sees)				8,
(STREET CONTROL)	≨	< 2.80	909°0 ×	9.00°
	≨	6.98 ×	· 0.400	007.0 >
4-littrophenol (surs.)	4	< 2.20	< 0.320	< 0.320
Semivolatiles	1	< 2.38	< 1.97	< 1.97
1,4-Okathiane	1	< 27.0	< 0.160	< 0.160
1,4-Okathiane (GTMS)	i 3	× 0.0490	¥	¥
2,2-Bis(parachterophenyt)-1,1-11 intuitoratione (201) 2,2-Bis(parachterophenyt)-1,1,1-Trichteroethane (DDI) (GDMS)		< 18.0	< 1.20	< 1.20

Values are reported in micrograms per liter. Notes:

< -- indicates that the target analyte was not detected at Reported values are accurate to three significant figures.

> -- indicates that the target analyte was detected at or or above the Certified Reporting Limit. above the Maximum Reporting Limit.

MA -- Got Analyzed. R -- Date did not meet quality control criteria and were

Table 85 Investigative Analytical Data for Domestic Well Samples

Sample ID Date	11810TuBR1 05/10/90	11830Tu112 01/31/89	1183014112 09/0 6 /69	11841TW096 09/07/89
Analytes				
Segivolatiles	1	< 0.0540	3	ĭ
2,2-Bis(parachlorophenyt)-1,1-Dichloroethene (bot)	=	< 14.0	< 3.39	< 3.39
2,2-Bis(parachlorophenyt)-1,1-31cmtoroctinois (555) (555)		< 5.69	< 10.5	< 10.5
4-Chlorophenylmethyl Sutfloe	*	< 10.0	c 1.30	× 1.30
4-Chloropherylmethyl Sulfore (surs) 4-Chloropherylmethyl Sulfore	¥	4.7.×	0.4.70	£.4.
	\$	< 5.30	< 0.750	< 0.750
4-Chlorophenyimethyl Sultone (GUS)	.	< 11.5	< 15.2	< 15.2
4-Chloropherylmethyl Sulfoxide	.	< 15.0	< 0.500	< 0.500
4-Chlorophenylmetnyl surraxide (assa)	\$	< 0.0500	¥	\$
. Aldrin Aldrin (6015)	≦ ≦	< 13.0	× 0.800	< 0.800
	7	< 4.03	< 4.03	< 4.03
Atrazine	i 3	< 5.90	< 0.500	< 0.500
Atrazine (GDKS)	1	< 5.00	< 0.00234	< 0.00234
Benzothiazole	1	< 5.90	< 5.90	< 5.90
<pre>Bicyc! 2,2,1 hepta-2,5-diene Bis (2-Ethylhaxyl) Phthalate (GDS)</pre>	i≦	¥	\$ _	≦
	7	\$	3	≨
Caprolactem (GOIS)	i≨	< 0.0950	\$	≦
Chlordane	i s	0 22 >	< 0.260	< 0.260
Chlordane (GOMS)	£) ,	1	

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

rejected.

[.] indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

Table 65 Investigative Analytical Data for Domestic Well Samples

Sample 10	11810TUBR1 05/10/90	11830TU112 01/31/89	11830TW112 09/06/89	1184:TU096 09/07/89
Analytes		,		
Senivolatiles				
Diezelapentadiene	£	· 5.00	× 5.00	· 2.00 ·
Dicyclopentadiene (GCHS)	\$	< 5.50	< 0.560	· 6.560
	1	• 0.050 0	¥	≦
Dieldein (COS)	\$	< 26.0	< 0.930	< 0.930
· Diisquopyl Nethylphosphonate	140	5.11	0.477	× 1.26
Dijsaaraayi Nethylahosahamste (GOMS)	ī	< 21.0	· 1.60	· 1.60
Disetty/sethyle	< 0.188	.77.0	£7.73	£7.73
Dimethylmethyl Phosphomete (GOIS)	¥	× 130	< 0.700 <	< 0.700
Dithine	≦	< 1.34	< 0.114	< 0.114
Dithiame (GCHS)	¥	< 3.30	< 0.710	< 6.710
rede in	≤	< 0.0500	<u>.</u>	1
Endrin (GOS)	¥	< 18.0	× 0.100	< 0.100
Mexach locovel opentadi ene	¥	< 0.0480	× 0.0480	0.0480
Herachlorocyclopentadiene (CDS)	ĭ	< 54.0	< 0.520	< 0.520
Isodrin	ĭ	< 0.0510	1	1
	3	< 7.80	· 0.990	× 0.990
relation	ź	< 0.373	< 0.373	< 0.373
Mulathion (60%)	1	< 21.0	· 0.620	< 0.620

Moces: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures. ... indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target amplyte was detected at or above the Maximum Reporting Limit.

MA -- Not Aralyzed. R -- Data did not meet quality control criteria and were

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Table B5 Investigative Analytical Data for Domestic Well Samples

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Sample 1D Date	1181014BE1 05/10/90	11830TV112 01/31/89	1183014112 09/06/89	11841TM096 09/07/89
Analytes				
Scaivolatiles	\$	C. 6.647	< 0.647	× 0.647
Parathion	i 1	< 37.0	< 8.10	< 8.10
Parathion (GUS)	*	< 9.10	· 6.290	< 0.290
Pertachtor oppositor (w.r.s.)	*	< 0.787	< 0.787	< 0.787
Supara (GDIS)	1	< 19.0	< 3.90	< 3.90
:	\$	< 0.384	< 0.384	< 0.384
Vapona Vapona (GCHS)	.	< 8.50	< 0.670	0.670 ×
Volatiles		;	;	1
1.1.1-Trichloroethane	< 0.760	< 0.760	S	S :
1 1. Trichlocoethane (EDES)	≨	≨	\	\$
1, 1, 1-11 Links Commercial Comme	< 0.780	< 0.780	≨	ş
1, 1,2-11 total decimant	1	±	≨	≦
1,1-Dichloroethane	< 0.730	< 0.730	≦	≦
	1	\$	¥	1
1, 1-Digniordename (ed. 5)	× 1.2	1.70	1	≦
	**	1	≦	≨
1,1-Dichioretimene (uchs)	< 1.10	4 1.10	1	\$
1,2-Dichloroethare (GDS)	¥	¥	4	¥
1.2-Dichloroethenes (cis & trans)	· 0.760	· 0.760	ş	3

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Analyzed.

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R -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data for Domestic Well Samples

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Sample !! Date	11£10T4BR1 05/10/90	11830TU112 01/31/89	11830TU112 09/06/89	11841T4096 09/07/89
Amiytes				
yolatiles	1			
1,2-Dichloroethenes (cis & trans) (GDIS)	S	\$	1	≦
Sexere	s	< 1.05	ĭ	¥
Benzene (GDIS)	\$	4	¥	1
Carbon Tetrachloride	< 0.990	< 0.990	1	≦
Carbon Tetrachloride (GOIS)	£	≦	≦	ş
Chlorobenzene	¢ 0.820	< 0.820	≦	ş
Chlorobenzene (GDIS)	4	\$	≨	ī
Chloroform	< 0.500	< 0.500	≨	¥
Chloroform (GDS)	≨	\$	≦	
Dibromochi oropropane	≦	< 0.195	< 0.195	< 0.195
Dibramochi organisme (CDS)	≦	< 12.0	< 0.250	< 0.26
Dimethyl Disulfide	1	< 0.550	< 0.133	< 0.133
Ethyl Denzene	£	< 1.37	ī	≦
Ethyl Berzene (CDS)	1	\$	≦	1
H-Xylene	1	< 1.32	ĭ	ī
H-Wylene (BOMS)	£	\$	1	1
Methylene Chloride	07.7 >	< 7.40	ş	4
Methylene Chloride (GDIS)	ĭ	1	ş	\$
,				

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- c -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - NA -- Not Analyzed.
- -- Data did not meet quality control criteria and were

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Table B5 Investigative Analytical Data for Domestic Well Samples

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Sample 10 Date	1181014BR1 05/10/90	11830TW112 01/31/89	11830Tv112 09/08/89	11841TM096 09/07/89
Analytes				
Volatiles	1	06. 7 ×	96° 7 ×	06"7 >
Nethylischutyl Ketone	1	1	1	≦
Methylischutyl Ketone (GDMS)	1	1.36	\$	1
O,P-Kylene	i s	¥	4	\$
0,P-Xytene (GOIS)	· 0.70	< 0.750	غ	ī
•	i	9	\$	ş
Tetrachloroethene (GDMS)	.	27.1. >	a	\$
Toruene	i 3	≦	¥	1
Toluene (GOIS)	i \$	< 0.560	\$	1
Trichloruethere Trichloroethere (GCMS)	1	\$	á	¥
Vinyl Chloride (GDS)	£	1	ī	1

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- c -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Analyzed.
- R -- Data did not meet quality control criteria and were rejected.

Table 85 Investigative Analytical Data for Domestic Well Samples

Sample ID Date	11841TAB96 01/26/90	1184114096 08/21/90	11921TM096 09/07/89	12001TUBR1 05/10/90
Amilytes				
Netals/Anions/General Chem				
Areanic	< 2.35	< 2.35	≦	1
	× 6.78	< 6.78	1	1
	1510	14.80	1	1
	•	3390	≦	1
Chronica	< 16.8	< 16.8	1	a
	< 16.8	< 15.8	1	\$
Comide	< 5.00	· 8.90	a	1
	~	2850	á	ī
least the same of	≦	< 77.5	ă	≦
. Cent	4.63.4	< 43.6	¥	\$
	135	51.3	ź	4
Magnes (un	1	× 9.67	≦	≨
	< 0.100 0.100	1.35	1	S
matter of Miterate Morn-Consistin	44.2	150	1	1
Potassium	< 1260	< 1240	≨	≦
	10000	93000	\$	\$
	•	21000	\$	\$
Total Organic Carbon	< 1000	× 1000	3	1

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures. <-- indicates that the target analyte was not detected at

> -- indicates that the target analyte was detected at or

or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

Table 85 Investigative Analytical Data for Domestic Well Samples

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Sample ID Date	1184114096	11841Tu096 08/21/90	11921Tu096 09/07/89	12001149R1 05/10/90
Analytes				;
Zinc	· 18.0	· 15.0	3	š
Phenois	£ .	¢ 1.70	€.1.×	≦
2,3,6-Trichloraphenol (GUS)	< 2.80	< 2.80	< 2.80	≦
2,4,5-Trichlorophenol (GUS)	3.66 3.66	< 3.60	< 3,60	¥
2,4,6-Trichlorophenol (GDS)	07.9 >	07.8 >	9.40	≦
2,4-Dichlorophenol (GDS) 2,4-Disectry(phenol (GDS)	07'7 >	07.7 >	07.4 >	≦
	2 176	< 176	× 176	¥
2,4-binitrophenol (GDIS)	× 2.80	< 2.80	< 2.80	¥
2-Chlorophenol (GDIS)	< 3.60	< 3.60	× 0.600	3
2-Hethytphenol (GDIS)	6.8 5.8	× 8.20	< 3.00	≦
2-Hitrophenol (GDS) 3-Hethyt-4-Chlorophenol (GDS)	8.50	· 8.50	< 0.300	
	< 2.80	< 2.80	009.0 >	1
4-Hethytphenol (GTS)	0.96	· %·0	005.0 >	ī
4-Hitraphe (GDS) Phenol (GDS)	< 2.20 < 2.20	< 2.20 ·	< 0.320	≦
Services	6 C V	5	× 1.97	\$
1,4-C ath ane	27.0	< 27.0	< 0.160	≨
1,hiane (GDS)	0670 0 >	< 0.0490	\$	≨
2,2-Bis(parachlorophenyl)-1,1,1-Irichloroename (bo), 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (BOT) (GDMS)	< 16. 0	< 18.0	< 1.20	5

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- -- Data did not meet quality control criteria and were MA -- Not Analyzed. R -- Data did not == rejected.

Table 85 Investigative Analytical Data for Domestic Well Samples

Sample 10	1184114096	1184114096	11921TM096	12001Tube 1
Date	01/26/90	06/11/90	09/01/99	05/10/97
Analytes	٠	•		
Senivolatiles				
2,2-8is(parachlorophenyl)-1,1-8ichloroethene (80F)	< 0.0540	< 0.0540	ī	ĭ
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GDE)	< 14.0	< 14.0	< 3.39	¥
4-Chlorophenylmethyl Sulfide	< 5.69	< 5.69	< 10.5	¥
4-Chlorophenylmethyl Suffide (GDIS)	< 10.0	< 10.9	< 1.30	¥
4-Chlorophenylmethyl Sulfone	× 7.46	< 7.46	Q.4.	3
4-Chlorophenytaethyl Sulfone (GCHS)	< 5.30	< 5.30	< 0.750	ā
4-Chlorophenylmethyl Sulfoxide	< 11.5	< 11.5	< 15.2	a
4-Chlorophenylaethyi Sulfoxide (GDRS)	< 15.0	< 15.0	< 0.500	¥
Aldrin	< 0.0500	< 0.0500	ĭ	≦
Aldrin (GDIS)	< 13.0	< 13.0	· 0.800	≦
Atrazine	< 4.03	< 4.03	< 4.03	1
Atrazine (GDS)	< 5.90	< 5.90	< 0.500	=
Benzothiazole	< 5.00	< 5.00	< 0.90234	1
Dicyclo [2,2,1] hepta-2,5-diene	< 5.90	< 5.90	< 5.90	≦
Bis (2-Ethythexyl) Phthalate (GCMS)	× 7.70	< 7.70	≨	≦
Caprolactam (GOIS)	< 10.0	K.7.	1	1
Chlordere	< 0.0950	< 0.0950	¥	4
Chlordene (GDMS)	< 37.0	< 37.0	< 0.260	ī

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table 85 Investigative Analytical Data , for Domestic Well Samples

Sample ID Date	11841TW96 01/26/90	1184114096 08/21/90	11921Tu096 09/07/89	1200111 UR 11 05/10/90
Analytes				
Semivolatiles	8	< 5.00	× 5.00	1
Dicyclopentadiene	3 5	< 5.50	< 0.560	≦
Dicyclopentadiene (GDNS)	2.50 A	0.0500	¥	\$
Dieldrin	26.0	× 26.0	< 0.930	1
Dieldrin (GCMS) Diisaprapyl Nethylphosphanate	0.521	< 0.392	< 1.26	6.52
	£ 7.	< 21.0	< 1.60	¥
Diisaprapyl Methylphosphonale (GDMS)	901 G ×	< 0.156	< 4.23	× 0.188
Dimethylmethyl Phosphonate	25. 25.	× 130	< 0.700	1
Dimethylmethyl Phosphonate (GCMS)	* * * * * * * * * * * * * * * * * * *	×1.3	< 0.114	1
Dithiere	3.30	< 3.30	< 0.710	¥
Dithiane (GUS)		•	i	1
,	< 0.0500 <	× 0.0500	1	i i
Endrin	< 18.0	< 18.0	6.100	4 ;
Endrin (GDIS)	00.0480	× 0.0480	× 0.0480	1
Nexach lorocycl opentadi ene	0.45	o. \$5.0	< 0.520	4
Hexachlorocyclopentadiene (GDIS)	< 0.0510	< 0.0510	\$	\$
Isodrin				
	< 7.60	< 7.80	× 0.930	: :
(sodrin (GDS)	< 0.373	< 0.373	< 0.373	i
Majathion 	< 21.0	< 21.0	· 0.620	á

or above the Certified Reporting Limit.

Motes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures. < -- indicates that the target analyte was not detected at

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table 85 Investigative Analytical Data for Domestic Well Samples

Sample 10 Date	11841Tu096 01/26/90	11841Tu096 08/21/90	11921Tu096 09/07/89	12001TuBR1 05/10/90
Analytes				
Tî.	749.0	< 0.647	< 0.647	á
	< 37.0	< 37.0	< 8.10	¥
Property Complement (COMS)	< 9.10	< 9.10	× 0.290	≦
	< 0.787	< 0.787	< 0.787	1
suppose (SCDS)	× 19.0	< 19.0	< 3.90	≦
	× 0.384	< 0.384	< 0.38k	1
Vapone (ECPS)	× 8.50	< 8.50	v 0.670	≦
Volatiles			;	976
1.1.1-Trichloroethane	< 0.760	× 0.760	1	89
1 1 1-Tricklaroethere (60%)	· 1.00 ·	× 1.00	≦	≦
1 1 2-Tricklomethane	< 0.780	< 0.780	¥	< 0.780
1 1 2. Trickle constraint (CTMC)	.1.00	· 1.00	1	\$
1,1-bichloroethane	< 0.730	< 0.730	≦	< 0.730
	4 1.00	· 1.00	\$	1
	£.1.	× 1.70	1	£.1.
1, i-blest constitute (ETS)	1.00	· 1.00	\$	\$
1,1-9 take or settler to the settler	< 1.10	< 1.10	1	< 1.10
1,2-Dichloroethere (GDIS)	1.8	. 1.00	1	≦
1,2-Dichloroethenes (cis & trans)	< 0.760	< 0.760	\$	< 0.760

Values are reported in micrograms per liter. Notes:

Reported values are accurate to three significant figures.

> -- indicates that the target analyte was detected at or

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were MA -- Mot Analyzed. R -- Data did not m

Table 85 Investigative Analytical Data for Domestic Well Samples

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Sample ID Date	1184174696 01/26/90	11841Tu096 08/21/90	1192174096 09/07/89	12001TUBR1 65/10/90
Analytes				
Volatiles	< 5.00	< 5.00	ş	≦
1,2-bichloroethenes (cls & trans) (wors)	· 1.6	× 1.05	1	ī
Benere	4 1.00	× 1.00	a	ĭ
Benzene (GDIS)	< 0.990	× 0.99¢	¥	< 0.990
Carbon letrachtorios Carbon Tetrachtoride (GDS)	. 1.00	• 1.00	≦	ī
	< 0.820	< 0.820	£	< 0.820
Chlorobenzene	× 1.00	4 1.00	¥	≦
Chlorobenzene (GDS)	56.9	1.17	1	× 0.500
Chlaroform	41.90	× 1.00	*	1
Chloroform (GDRs) Dibromochloropropere	< 0.195	< 0.195	< 0.195	1
	< 12.0	< 12.0	< 0.250	\$
Dibromochloropropene (GUS)	< 0.550	< 0.550	< 0.133	¥
Dimethyl Disultide	< 1.37	< 1.37	1	1
Ethyl Benzene	× 1.8	· 1.00	1	≦
Ethyl Denzene (GJMS) H-Xylene	×1.5	< 1.X	1	1
	.1.8	4 1.00	¥	¥
H-Kytene (6075)	< 7.40	07.7 >	*	c 7.40
Nethylene Chloride Nethylene Chloride (GDIS)	• 1.00	. 1.00	£	≦

Reported values are accurate to three significant figures. Motes: Values are reported in micrograms per liter.

⁻⁻ indicates that the target analyte was not detected at > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data for Domestic Well Samples

	1184174096	1184114096	11921TW096	12001TMBR1
Date	01/26/90	06/11/90	68/10/60	05/10/50
Analytes				
W. stile				
Methyl isobutyl Ketone	o6.4 ×	06.4 >	× 4.90	ĭ
Methyl jackstyl Ketore (GDIS)	· 1.40	< 1.40	វ	#
O P-Kvlene	× 1.36	< 1.36	1	¥
O P-II-dece (CTS)	4 2.00	< 2.00	ĭ	≦
Tetrachloroethere	< 0.750	< 0.750	≦	· 0.750
	4 1.80	1.00	1	ī
	< 1.67	< 1.47	1	≦
Tolicon (CTIC)	4 1.00	• 1.00	¥	\$
Trichiomethore	4 0.560	· 0.560	á	< 0.560
Trichloroethere (GDS)	· 1.00	. 1.00	4	≦
Vinyl Chloride (GCMS)	< 12.0	< 12.0	i	ī

Motes: Values are reported in micrograms per liter.
Reported values are accurate to three significant figures.

> -- indicates that the target analyte was detected at or

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Turpate.

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< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.
</p>

above the Maximum Reporting Limit. $\label{eq:Maximum} \mathbf{MA} \ \mbox{--} \ \ \mathbf{Mot} \ \ \ \mathbf{Analyzed}.$

R -- Data did not meet quality control criteria and were

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Table 85 Investigative Analytical Data for Domestic Well Samples

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Sample 10 Date	1335@TL/TOK 01/17/89	13701114104 01/17/89	37431 09/13/89	37431
Analytes				
Metals/Anions/General Chem	< 2.35	. 2.35	1	3.22
Arsenic	07'8 >	o 7.8 ×	1	o 6.78
	83500	34000	≦	1810
	00009	38000	ž	2280
Chronium	< 24.0	< 24.0 .	=	19.8
	, 26.0	< 26.0	1	< 15.8
Total Control of the	< 5.00	< 5.00	\$	5.00
Change	1540	3450	\$	≦
FLLOOTION	1	ş	1	≦
read	< 74.0	< 70	\$	< 43.4
	8730	7110	¥	< 135
	*	*	≦	≦
Menganese :	× 0.100	< 0.100	ĭ	· 0.100
Mercury	280	57.5	1	1000
Mitrite, Mitrate worrspecific Potassium	201	916	¥	< 1240
	190000	160000	1	120000
	280000	180000	\$	5490
Suitate Total Organic Carbon	\$	ş	≦	> 2005 >

Notes: Values are reported in micrograms per liter.

-- indicates that the target analyte was not detected at Reported values are accurate to three significant figures.

- or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - -- Not Analyzed.
- -- Data did not meet quality control criteria and were rejected. **4** •

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Japale 18 Bate	133501v10¢ 01/17/89	137011W104 01/17/89	37431 09/13/89	37431 11/21/ 8 9
Analytes				
Netals/Anions/General Chem Zinc	3.1	798	1	< 18.0
Phenols	R	£.1.≯	୪.1.୬	v.1.70
2,3,6-Trichlorophenol (GCNS)	•	1	< 2.80	< 2.80
2,4,5-Trichlorophenol (GDS)	97.5	< 3.60	< 3.60	< 3.60
2,4,6-Trichtorophenol (GDRS)	07.60	× 8.40	c 6.40	· 8.40
2,4-Dichlorophenol (GJRs) 2,4-Dimethylphenol (GDRS)	07.7 >	· • • • • • • • • • • • • • • • • • • •	07.4 >	oy.4 >
	× 176	· 176	× 176	× 176
2,4-Dinitrophenol (GDS)	2.80	< 2.80	< 2.80	< 2.80
2-Chiorophenol (GDS)	9 2	< 3.60	0.600	< 3.60
2-Nethylphenol (GCNS)	8.8	< 8.20	< 3.00	× 8.20
2-Witrophenol (GDMS) 3-Wethyl-4-Chlorophenol (GDMS)	< 8.50	< 8.50	< 0.300	× 8.50
	< 2.80	< 2.80	0.600	< 2.80
6-Methylphenol (SDIS)	8	· %.0	007.0 >	· %.0
4-Nitrophenol (GDNS) Phenol (GDNS)	< 2.20	< 2.20	< 0.320	٠ 2.3
Serivolatiles	< 2.38	< 2.38	< 1.97	< 2.38
1,4-Oxathiene	< 27.0	< 27.0	< 0.1 5 0	< 27.0
1,4-0xathiene (GOIS)	06%0 0	0.0490	≦	< 0.0490
2,2-8is(parachlorophenyl)-1,1,1-1fication octimate (007) 2,2-8is(parachlorophenyl)-1,1,1-frichloroethane (001) (GDMS)	< 18.0	· 18.0	· 1.20	< 15.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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⁻⁻ indicates that the target analyte was not detected at > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

Table 85 Investigative Analytical Data for Domestic Well Samples

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Sample 10 Date	13350TV104 01/17/89	137011W104 01/17/89	37431 09/13/89	37431 11/21/89
Analytes				
Semivolatiles	0.00	< 0.0540	\$	< 0.0540
2,2-Bis(parachlor/phenyl)-1,1-Dichloroethene (DOE)	74.0	< 14.0	< 3.39	< 14.0
2,2-Bis(perachlorophenyl)-1,1-Dichloroethene (DDE) (GLNS)	2	< 5.69	< 10.5	< 5.69
4-Chlorophenylmethyl Sulfide	0.01 >	< 10.0	· 1.30	< 10.0
4-Chlorophenylmethyl Sulfide (GDNS) 4-Chlorophenylmethyl Sulfone	¢ 7.46	× 7.46	ož.4 >	< 7.46
	92.5	0. 5 ×	< 0.750	< 5.30
4-Chlorophenylmethyl Sulfane (GCMS)	711.5	< 11.5	< 15.2	× 11.5
4-Chlorophenylmethyl Sulfaxide	() () () () () () () () () ()	< 15.0	< 0.500	< 15.0
4-Chloraphenylmethyl Sulfaxide (GCMS)	0 050	< 0.0500	¥	< 0.0500
Aldrin	< 13.0	< 13.0	< 0.800	< 13.0
Aldrin (6015)				;
	< 4.03	< 4.03	< 4.03	× 4.03
Atrazine	8.5	< 5.90	< 0.500	< 2.90 • 5.90
Atrazine (GCMS)	8	× 5.00	< 0.00234	· 5.00
Berzothiazole	8	< 5.90	< 5.90	< 5.90
1	R. ₹	**	1	oz.7 >
Bis (2-Ethylhexyl) Phthalate (GDKS)	i			
	\$	ž	ş	< 10.0
Caprolactam (GCKS)	< 0.0950	0.0950	MA	< 0.0950
Chlordane	< 37.0	< 37.0	< 0.260	< 37.0
Chiordane (GDIS)				

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures. < -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

>-- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

M. - Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data for Domestic Well Samples

1:3

Sample 10	1335011/104	137011V104	. 37431	37631
Date	01/17/89	01/11/89	09/13/69	49/17/11
Analytes				
Senivolatiles				
Dievelocentadiene	< 5.00	· 5.00	< 5.00	< 5.00
Dicyclopentadiene (GOIS)	< 5.50	< 5.50	< 0.560	5.50
Dietrin	< 0.0500	< 0.0500	ī	< 0.0500
Dielotio (COS)	· 26.0	< 26.0	< 0.930	6.92 ×
Disopropyl Methylphosphonate.	22.0	3.87	< 1.26	< 0.392
niismenny Hethylphosphomite (CDRS)	< 21.0	< 25.0	. 1.60	< 21.0
Dianthul athur Phosphorate	× 0.188	< 0.188	< 4.23	< 0.188
Disethylastkyl Phosphante (GUS)	× 130	× 130	< 0.700	× 130
D(14) are	×1.3	× 1.3	< 0.114	× 1.34
Dithiane (GDIS)	< 3.30	< 3.30	< 0.710	< 3.30
rain de la company de la compa	< 0.0500	• 0.0500	£	· 0.0500
Factor (CTIS)	< 15.0	< 18.0	< 0.100	< 18.0
Newschill control (control) and	< 0.0480	× 0.0480	< 0.0480	× 0.0480
Handel opported opening (CTMS)	, X. o	0.35	< 0.520	× %.0
Isodrín	< 0.0510	0.0510	3	< 0.0510
Table 1	× 7.80	< 7.80	066'0 >	< 7.80
Helethion	< 0.373	< 0.373	< 0.373	< 0.373
Malathion (GCMS)	< 21.0	< 21.0	0.620	o:12 >

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

-- Not Analyzed.

-- Data did not meet quality control criteria and were **\$** ~

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Table B5 Investigative Analytical Data

for Domestic Well Samples

Sample ID Date	1335@TuTlO4 01/17/89	137011µ10¢ 01/17/89	37431 09/13/89	37431 11/21 /89
Analytes				
Semivolatiles	× 0 647	< 0.647	< 0.647	< 0.647
Persthian	< 37.0	< 37.0	< 8.10	< 37.0
(808)	< 9.10	4 9.10	< 0.290	< 9.10
Pentachloropherol (6015)	× 0.787	< 0.787	< 0.787	< 0.757
Suports Comment (2003)	< 19.0	< 19.0	< 3.90	< 19.0
	, s	765 U >	< 0.384	< 0.384
Vaporia	5 5	S. 50	0.670	< 8.50
Vapone (GOMS)	<u> </u>			
Volatiles	976	< 0.760	ă	× 0.760
t,1,1-Trichloroethane	3 1	1	£	1
1,1,1-Trichloroethane (GDE)		× 0.780	š	< 0.780
1,1,2-; richlaroethane		1	\$	¥
1,1,2-Trichleroethame (GDKS)	< 0.7 30	< 0.730	\$	< 0.730
		\$	\$	ī
1,1-Dichlaroethane (60%)	1 F	. 1. ≥	¥	× 1.70
1,1-Dichloroethene	2	\	≦	≨
1,1-Dichloroethene (GOS)	. .	× 1.10	1	× 1.10
		1	1	1
1,2-Dichlaroethane (GCMS)	í			
1,2-Dichloroethenes (cis & trans)	< 0.760	< 0.760	≦	< C.760

Reported values are accurate to three significant fightes. Notes: Values are reported in micrograms per liter.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> .. indicates that the target analyte was detected at or above the Maximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were hA -- Not Analyzed. R -- Data did not a rejected.

Table 85 investigative Analytical Data for Domestic Well Samples

i dimensional di series di	133501v106	13701TV10K	37431	37431
Pate	01/12/89	09/21/10	09/13/89	11/21/89
unelytes				
olatiles				
1 3.0 (chi perceptionne (cie & trans) (GDS)	≤	≦	Ā	¥
	< 1.05	. 1.05	1	· 1.05
	\$	1	1	1
Margare (u.m.s.)	× 8.990	× 0.990	1	< 0.990
Certan Tetrachloride (GDS)	1	ž	1	ī
	· 8.820	< 0.820	¥	< 0.320
	5	*	≦	≦
CRIOTOGRAPHE (WAS)	• 0°500	< 0.500	1	< 0.500
	*	ĭ	\$	4
Unionalism (acres) Dibronochloropropere	< 0.195.	< 0.195	< 0.135	< 0.195
Company of the Compan	< 12.0	< 12.0	c 0.250	< 12.0
Dibromocaloropane (e.rs.)	4 0.55 0	< 0.550	< 0.133	< 0.550
DIRECTOR DIRECTOR	< 1.37	< 1.37	≦	< 1.37
	1	1	\$	≦
E-thyl menters (acros) H-kylene	*1. %	ć 1.2	≦	. 1.22
	1	*	1	1
HTAYLETE (MLAS)	05.7 >	× 7.40	≦	o 7. 7.
Methylene Chloride (GDRS)	. £	s	¥	<u>4</u>

Values are reported in micrograms per liter. Hotes:

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- -- Data did not meet quality control criteria and were MA -- Mot Analyzed. R -- Data did not m

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Table B5 Investigative Analytical Data for Domestic Well Samples

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Sample 1D Date	13350TV104 01/17/89	1370111104 01/17/89	37431 09/13/89	37431 11/21/89
Analytes				
Volatiles	8	8	5	6 7 ×
Methylischutyl Ketone	8 1	R #	2	1
Methylisobutyl Ketone (GDS)	, , ,	37.1	. \$	< 1.36
	≦	1	1	1
U.F.Kytere (w.cs.) Tetrachloroethere	< 0.750	< 0.750	≦	< 0.750
138647	1	ź	ž	
	< 1.67	< 1.47	1	< 1.67
	1	\$	1	ī
Total annual control	· 0.560	< 0.560	ā	< 0.560
Trichloroethere (GOIS)	£	5	=	≦
Vinyt Chloride (GDIS)	1	1	\$	1

Reported values are accurate to three significant figures. Motes: Values are reported in micrograms per liter.

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were MA -- Not Analyzed.
R -- Data did not m rejected.

Table B5 Investigative Analytical Data · for Domestic Well Samples

Sample 1D Date	37445 08/28/90	8834ATM096 08/22/90	8634ATU096 06/24/90	86348TM096 06/22/90
Analytes				
Hetals/Anions/General Chem		•		!
	68.7	< 2.35	1	< 2.35
	6.73	ĭ	1	≦
	2450	1	¥	¥
	9966	120060	*	00079
	< 16.8	1	1	ī
	4 2	1	1	1
Comper		ii	•	3
Cyanide	8.8	S	S :	•
Fluoride	2820	1370	1	
5	ĭ	\$	1	ž
Lead	< 43.4	¥	¥	.
	5	1	≦	1
	≦	1	1	1
	< 0.100	< 0.100	¥	· 0.166
History History - Box-Spacific	140	9052	\$	2002
	< 1240	£	1	ź
			;	1
Sodiu	120000	≦	S	ĭ
	3000	110000	1	170000
Total Organic Carbon	< 1500	≦	1500	ş

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

... indicates that the turget analyte was not detected at

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or above the Certified Reporting Limit.

> --' indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Dota did not meet quality control criteria and were

Table S Investigative Analytical Data for Domestic Well Samples

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Date	37445	06/22/90	06/57/50	08/22/90
Analytes				
Metals/Anions/General Chem 616 Zinc	919	1	1	š
Phenols	E ·	=	× 1.78	s.1.
	2 2 2	1	< 2.80	< 2.80
	9 1	\$	< 3.60	< 3.60
₹ ?	97 8 9	1	07.8 >	· 8.40
2,4-Dischlorophenol (GDIS) < 4.40 2,4-Dissethylphenol (GDIS)	07-7 >	£	07"7 >	o , 4.40
**************************************	4.176	1	< 176	< 176
3	5 · ·	\$	< 2.80	< 2.80
	W. 2. 3	\$	< 3.60	< 3.60
	8	≦	× 8.20	6.20
10 (4016)	¢ 8.50	1	8.50	× 8.50
	5		< 2.80	< 2.80
(-Hethylphenol (GDS)	3 5	\$	· 96.0	· 96.0
	< 2.20	1	< 2.20	< 2.20
Serivolatiles	, ,	1	< 2.38	< 2.38
	DC:3.	i s	< 27.0	< 27.0
	0.72 >	1 1	× 0.0490	< 0.0490
enyi)-1,1,1-Trichloroethane (DDI) enyl)-1,1,1-Trichloroethane (DDI) (GCMS)	× 18.0	i s	< 18.0	< 18.0

-- indicates that the target analyte was not detected at Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

- > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit. above the Maximum Reporting Limit.
 - MA -- Not Ana, 1ed.
- -- Data did not meet quality control criteria and were rejected.

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Table ES Investigative Analytical Data for Domestic Well Samples

Suspite 10 Date	37445	8834A14096 36/22/90	8834aTu096 08/24/90	88348TW096 08/22/90
Analytes				
Semivolatiles	0 0 V	1	< 0.0540	< 0.0540
2, 2-Bis(parachlorophenyi)-1, 1-Dichloroethere (UNE)	214.0	£	< 14.0	< 14.0
	99.5	S	< 5.69	< 5.69
	× 10.0	1	< 10.0	< 10.0
4-Chlorophenylmethyl Sulfide (GDRS) 4-Chlorophenylmethyl Sulfane	< 7.45	\$	× 7.46	× 7.46
	5	ž	× 5.30	< 5.30
4-Chlorophenylmethyl Sulfane (6015)	211	S	< 11.5	< 11.5
6-chlorophenylmethyl Sulfoxide		1	< 15.0	< 15.0
4-Chlorophenylmethyl Sulfaxide (GDIS)	0.000	1	< 0.0500	< 0.0500
Aldrin	< 13.0	\$	< 13.0	< 13.0
	!	1	20 7 /	. 6.03
Atrazine	\$6.83	i i	8	< 5.90
Atrazine (GDS)	8.5 ×	1 1	8.5.	< 5.00
Benzothiazole	8.6	i 1	< 5.90	× 5.98
=	R.C.	í S	K.7.	or.7 >
Bis (2-Ethythexyl) Phthalate (GDS)				
	× 10.0	\$	S.7 >	8.7 ×
Caprolactam (GCMS)	× 0.3950	\$	< 0.0950	× 0.0950
Chlordene (CDS)	< 37.0	≦	< 37.0	< 37.0

Notes: Values are reported in micrograms per liter. Reported values are mccurate to three significant figures.

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c -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit. $_{\rm MA}$ -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data for Domestic Well Samples

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Sample 1D Date	37445	8634.11.096 06/22/90	8834ATU096 08/24/90	86546TU096 06/22/90
Analytes				
Semivolatiles	· 5.00	\$	< 5.00	< 5.00
0 icyclopentadiene	× 5.56	ă	< 5.50	< 5.50
Dicyclopentadiene (GDS)	· 0.0500	≦	< 0.0500	× 0.0500
Dieldrin	98.0	¥	< 26.0	· 26.0
Dieldrin (GDNS) Diisopropyl Methylphosphonate	< 0.392	1	7.86	< 0.392
	< 21.B	1	< 21.0	< 21.0
Diisopropyl Methylphosphomate (ULNS)	× 0.188	1	< 0.188	< 0.188
Dimethythethyl Phosphoriffe	5-	\$	× 130	× 130
Dimethylmethyl Phosphorate (GURS)	***	1	× 1.34	以 、
Dithiane (COIS)	< 3.30	\$	< 3.30	< 3.30
	0 (500	1	< 0.0500	< 0.0500
Endrin	4 15.0	≦	× 18.0	· 18.0
Endrin (608)	00%0° >	1	< 0.0480	× 0.0480
Hexach laracyc Lopent ad lene	× 55.0	1	< 54.0	• %.•
Nexachlorocyclopentadiene (w.n.) Isodrin	< 0.0510	≦	< 0.0510	< 0.0510
	× 7.80	1	< 7.80	< 7.80
isodrin (GDS)	< 0.373	1	< 0.373	< 0.373
Malathion (GDMS)	< 21.0	≦	< 21.0	< 21.0

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

> -- indicates that the target analyte was detected at or

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

KA -- Not Analyzed.
R -- Data did not meet quality control criteria and were rejected.

Table B5 Investigative Analytical Data for Domestic Well Samples

Sample 10 Date	3745	8634ATU096 06/22/90	9634ATUD96 06/24/90	8634£TAD96 08/22/90	
Analytes					
Semivolatiles	× 0.647	.	< 0.647	< 0.647	
	< 37.0	£	< 37.0	< 37.0	
	< 9.10	1	< 9.10	< 9.10	
	< 0.787	£	< 0.787	< 0.787	
(SICE)	< 19.0	ī	< 19.0	< 19.0	
:	× 0.384	ĭ	< 0.384	< 0.386	
Vapone (SCIS)	< 8.50	1	< 8.50	8.5	
	× 0.766	× 0.760	1	× 0.760	
1, 1, 1-11 Later General Comme	.1.80	· 1.00	£	× 1.00	
1,1,1-1f1CROCCERENCE (mass)	· 0.780	< 0.780	4	× 0.780	
	× 1.00	. 1.00	≦	· 1.80	
1,1-2-Iffentoronime (u.m.) 1,1-0 ich (oroethere	< 0.730	< 0.730	1	< 0.73 6	
	× 1.00	× 1.00	ş	< 1.00	
	× 1.78	¥.1.	ĭ	£.1.	
	× 1.00	× 1.00	¥	4 1.00	
	< 1.10	< 1.10	ĭ	< 1.10	
1,2-bichtorethane (GDS)	× 1.00	× 1.00	1	· 1.00	
1,2-Bichloroethenes (cis & trans)	< 0.760	< 0.760	ž	< 0.760	

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.
-- indicates that the target analyte was detected at or

above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table B5 Investigative Analytical Data for Domestic Well Samples

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Sample 1D Date	37445 08/28/90	8634ATU096 08/22/90	8634ATU096 06/24/90	86348TU096 06/22/90
Analytes		•		
Volatiles				
1,2-0ichloroethenes (cis & trans) (GCNS)	< 5.00	< 5.00	≦	< 5.00
Berzere	· 1.05	· 1.65	\$	< 1.05
Benzene (GDIS)	× 1.00	< 1.00	¥	. 1.00
Carton Tetrachloride	× 0.990	· 0.990	1	066°0 ×
Carbon Tetrachloride (GCHS)	٠ 1.00	4 1.8	ī	· 1.00
Chloroberzene	v 0.820	· 0.820	\$	· 0.820
Chlorobenzene (GDS)	· 1.00	< 1.00	¥#	· 1.00
	< 0.500	2.74	≨	< 0.500
Chloroform (GDIS)	× 1.00	33.0	1	· 1.00
Dibromochloropropane	× 0.195	< 0.195	\$	< 0.195
Dibromochioropropane (GCIS)	< 12.0	£	< 12.0	< 12.0
Dimethyl Disuk fide	< 0.550	1	< 0.550	< 0.550
Ethyl Berzene	< 1.37	< 1.37	1	< 1.37
Ethyl Berzene (GOIS)	× 1.00	• 1.00	1	4 1.00
H-I'ylene	¢ 1.72	< 1.32	ī	ć 1.32
(\$100) and [A]-H	× 1.90	× 1.00	\$	< 1.00
Bethylene Chloride	07.7 >	× 7.40	\$	c 7.40
Methylene Chloride (601S)	× 1.00	. 1.00	5	< 1.60

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

> -- indicates that the target analyte was detected at or

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

above the Maximum Reporting Limit. $\label{eq:Maximum} \mathbf{M} \; \cdots \; \mathbf{Mot} \; \; \mathbf{Analyzed}.$

R -- Data did not seet quality control criteria and were rejected.

Table 85 Investigative Analytical Data for Domestic Well Samples

Sample 10 Bate	37445 08/28/90	8634ATu096 06/22/90	08/24/90	8634.811.096 08/22/90
Analytes				
Volatiles	· 4.90	\$	8.7 ×	o6** >
Methyl isobutyl Ketone	× 1.40	< 1.40	á	< 1.40
HETINITISCULLY! LETCHE (WAS)	× 1.36	< 1.36	\$	< 1.36
O,P-Independent	< 2.00	< 2.00	\$	< 2.00
O,F-Kylene (eds.) Tetrachloroethene	· 0.750	< 0.750	1	< 0.750
	× 1.00	· 1.0	1	• 1.00
Tetrachtoroetwere (sLPS)	× 1.67	< 1.47	1	< 1.47
ioluene	8.1	× 1.00	1	6.1.0
	< 9.560	< 0.560	1	< 0.560
Trichloroethere (60%)	4 1.00	< 1.00	ź	° 1.80
Vinyl Chloride (GDKS)	< 12.0	< 12.0	á	< 12.0

Reported values are accurate to three significant figures. Motes: Values are reported in micrograms per liter.

< \cdots indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

-- Data did not meet quality control criteria and were

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IIA -- Hot Analyzed.

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Analytes

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Sample 10 Date

1	cr.2 >	6.79 ×	24.70	23	9°9°	, 5.65		•	2882	< 77.5	4.53.4	× 135	29.6 >	< 0.190	540	Ayer ,	27	100000	SE 15		
Metals/Anions/General Chem	Arsenic			Chloride	Chromium	•	Copper	Cyanide	Fluoride		1				Merculy windows and merculation	שונונבי שוניפוב _ שמו אחבייי	Potassium		NOO!	Sulfate	Total Organic Carbon

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Bot Analyzed. R -- Data did not meet quality control criteria and were rejected.

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Table 85 Investigative Amalytical Data for Domestic Well Samples

Sample 10	8634CTu096
Date	06/22/90
Amelytes	
Metals/Anions/General Chem	
Zinc ·	< 18.0
Phenots	
2,3,6-Trichlorophenol (GDIS)	£.1.
2,4,5-Trichlaraphenol (GDIS)	< 2.80
2,4,6-Trichlorophenol (GDMS)	< 3.60
2,4-Dichloraphenol (GDIS)	< 8.40
2,4-Dimethylphenol (GCMS)	07.4 >
2 A-Diniprodument (Cress)	71.7
2-Chloraphenol (60KS)	< 2.80
2-Methylphenol (GCMS)	< 3.60
2-Witrophenol (GDMS)	6.8°
3-Methyl-4-Chlorophenol (GCMS)	< 8.50
4-Methylphenol (GNS)	< 2.80
4-Hitrophenol (GCMS)	· %.0
Phenol (GOIS)	< 2.20
Semivolatiles	
1, 6-Ouath i ane	< 2.38
1,4-Ouathiane (GOIS)	< 27.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DOT)	× 0.04.70
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DCI) (GCMS)	< 18.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at
 - or above the Certiffed Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- $MA \to Mot \ Analyzed.$ R $\to Data \ did \ not \ meet \ quality \ control \ criteria \ and \ were$

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OF DOMESTIC IN

8834CTU096 08/22/90

Sample 1D Date

Analytes

Semivolatiles 2 2-Biscoarachlorophery[]-1.1-Dichloroethere (DDE)	< 0.0540
2 2-Riscontact of the content (CONS)	< 14.0
4-chloropentimethyl Sulfide	· 5.69
6-Chloropherylmethyl Salfide (GDRS)	< 10.0
4-Chlorophenylmethyl Sulfone	× 7.46
2-thin-mahemylaethyl Sulfore (60%)	< 5.30
4-Chlorochenteethy Sulfoxide	< 11.5
6-Chlorochenylmethyl Sylfoxide (GDIS)	< 15.0
Aldrin	< 0.0500
Aldrin (GDIS)	< 13.0
Atracia	< 4.03
Arrazine (GDS)	< 5.90
Becochiazole	< 5.00
sizzeto (2.2.11 henta-2.5-diene	< 5.90
Bis (2-Ethylhexyl) Phthalate (GOS)	67.7
Control action (GDS)	× 7.70
Chlordene	< 0.0950
Chlordene (GCHS)	< 37.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certifica Reporting Limit.
- > -- indicates that the target analyte was detected at or above the Maximum Rerunting limit.
 - MA -- Not Analyzed.
- R -- Data did not meet quality control criteria and were rejected.

Table 85 Investigative Analytical Data for Domestic Well Samples

Sample 1D Date	8834CTU096 06/22/90
Analytes	
Senivolatiles	
Dicyclopentadiene	< 5.00
Dicyclopentadiene (GDIS)	< 5.50
Dieldrin	< 0.0500
Dieldrin (GOIS)	< 26.0
· Diisapropyl Methylphosphonate	< 0.392
Disopropyl Nethylphosphorate (GCMS)	< 21.0
Dimethylmethyl Phosphonate	< C. 135
Dimethylmethyl Phosphonate (GDRS)	\$. \$.
Dithiane	< 1.34
Dithiume (GDIS)	< 3.30
Endrin	< 0.0500
Endrin (GDIS)	< 15.0
Nexach lorocycl opent adiene	< 0.0480
Nexachlorocyclopentadiene (GDMS)	° 54.0
Isodrin	< 0.0510
lands in (SEE)	× 7.80
Melathion	< 0.373
Melathion (6045)	< 21.0

Values are reported in micrograms per liter. Notes:

Reported values are accurate to three significant figures.

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 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

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£ .	8634CTM096
Septe in Date	06/22/90
Analytes	
Semivolatiles	< 0.647
Parathion	< 37.0
Parathion (GLRs)	< 9.10
Pertachiordinano (suns)	× 0.767
Schools (605)	. 0.61 >
Vapore	*0.0 >
Vapone (GDMS)	8.30
* : : : : : : : : : : : : : : : : : : :	
VOIGILIES	c 0.760
1,1,1-1-11-100 to the constraint of the constrai	× 1.00
I, I, I'I'I'I'I'I'I'I'I'I'I'I'I'I'I'I'I'	× 0.780
	· 1.00
1,1,2-iffication contains (access)	< 0.730
1.1-Dichloroethane (60%)	× 1.8
a a-Dichi croathana	R.1.
1,1-Dichical Contract (CTIS)	× 1.00
1,1-bidito octions (com)	< 1.10
1,2-bicklorethare (GDRS)	× 1.00
	0.760
1,2-Dichtorcethenes (cis & trans)	
1,2-Dichlorcethenes (cis & trans)	.0

Notes: Values are reported in micrograms per liter. Reported values are occurate to three significant figures.

. indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

MA -- Not Analyzed.
R -- Data did not meet quality control criteria and were rejected.

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Table B5 Investigative Analytical Data for Domestic Well Samples

Sent of the sent o	S634CTM096
Date	06/22/90
Analytes	:
Votatiles	
1.2-Dichloroethenes (cis & trans) (GCMS)	× 5.00
Benzene	< 1.65
Berzere (GOS)	8.1.
Carbon Tetrachloride	o66:0 >
Carbon Tetrachloride (6015)	< 1.60
Chiorobenzene	× 0.820
Chlorobenzene (605)	× 1.80
Chloroform	< 0.500
Chloroform (GOIS)	× 1.80
Dibromochloropropene	< 0.195
	6 25
United Bases (Control of the Contro	955
CIMETAY DISLATION	417
Ethyl Bentene	
Ethyl Benzene (GOIS)	8:1
H-Xylene	ć 1.22
	;
M-Xylene (GDIS)	< 1.00
Nethylene Chloride	× ۲.40
Nethylene Chloride (GCNS)	× 1.00

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Mot Analyzed.

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R -- Data did not meet quality control criteria and were

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Table 65 Investigative Analytical Data for Domestic Well Samples

Sample 10	8634CTu096
Date	06/22/90
Analytes	
Volatiles	
Methylisobutyl Ketone	6.90
Methylisabutyl Ketane (6015)	. 1.40
O, P-Xylene	< 1.36
O,P-Xylene (GCMS)	< 2.00
Tetrachloroethere	< 0.750
Tetrachloroethene (GDIS)	× 1.00
Toluene	< 1.67
Toluene (GCMS)	· 1.00
Trichloroethene	< 0.580
Trichloroethene (GCMS)	< 1.00
Vinyl Chloride (GORS)	< 12.0

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

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Table 86 GC/MS Analytical Data for Domestic Well Samples

Sample 10	IIA1150	MA1170	
Date	01/26/90 GC/NS of	02/27/90 GC/MS of	
	1164114096	100211WE0	
Amalytes			
Phenols			
2,3,6-Trichloruphenol (GCMS)	× 1.78	۲.1 ×	
2,4,5-Trichtorophenol (GCMS)	< 2.80	< 2.80	
2,4,6-Trichtorophenol (GCMS)	< 3.60	< 3.60	
2.4-Dichlorachenol (6015)	× 8.40	< 8.40	
2,4-Dimethylpilenol (GDIS)	07'7 >	07.7 >	
2.4-Dinitropleno (60%)	4 176	× 176	
2-Chlorophenol (GCIS)	< 2.80	< 2.80	
2-Hethylphenol (GDS)	< 3.60	< 3.60	
2-Hitradenol (GOIS)	< 8.20	· 8.20	
3-Nethyl-4-Chlorophenol (GCHS)	8.5 0	< 8.50	
4-Rethylchenol (CDS)	< 2.80	< 2.80	
4-Hitracherol (60%)	· %.0	< 96.9	
Phenol (GDS)	< 2.20	< 2.20	
Sarivolatiles			
1, 4-Okathiane (GDIS)	< 27.0	6.75 >	
2,2-Bis(parachlorophenyt)-1,1,1-Trichloroethane (DDT) (GCMS)	< 18.0	< 18.0	
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCRS)	× 14.6	× 14.0	

Values are reported to three significant figures. Notes: Values are reported in micrograms per liter.

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Analyzed.
- R -- Data did not meet quality control criteria and were rejected.

Table 86 GC/MS Analytical Data for Domestic Well Samples

Sample 10	HA1150	0.21170	
Dete	01/26/90 or ms of	02/27/90 cc/MS of	
	1184174096	10621TAPEO	
Analytes			
Semivolatiles	;	•	
4-Chlorophery/Laethyl Sulfide (GDS)	9.01 ×	4 10.6	
6-Chiorochenylmethyl Sulfane (GDS)	< 5.30	< 5.38	
L. Chinambers destini Sui facide (GDS)	< 15.0	< 15.0	
Aldrin (CTR)	< 13.0	< 13.0	
	< 5.90	< 5.98	
Attazine (a.c.)			
min (2.Estad board) (Mythal ate (6006))	6.7.A	o. 7.70	
Communication (Canada Communication Communic	× 10.0	6.7.7	
	< 37.6	< 37.0	
Principal promobilities (COS)	× 5.58	< 5.50	
Diejdrin (608)	· 26.0	6.92 ×	
	7.	21.0	
Disapropyl Nethylphosphorate (GJS)	# P	× 136	
Dimethylmethyl Phosphonice (w.rs.)	< 3.30	< 3.38	
	× 18.0	< 18.0	
Besachlorocyclopentadiene (GDS)	0°%5 >	< 54.0	
Isodrin (60%)	< 7.80	× 7.80	•

Motes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

IIA -- Not Analyzed.

-- Data did not meet quality control criteria and were

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	MA1150	11170	
Date Date	01/26/90	02/27/90	
	CC/NS of	CC/NS of	
	1184114096	10821TUPE0	
niytes	1 1 1 1 1 1		
saivolatiles			
Malethies (COS)	< 21.0	ر 21.0 د	
Bearties (CTE)	< 37.0	< 37.0	
Bartent (CTE)	< 9.10	< 9.10	
	< 19.0	< 19.0	
North (SEC)	< 8.50	< 8.50	
olatiles			
1.1.1-Trichlarechere (605)	× 1.80	, 1.8	
1 1 2-Trichloroethane (EDS)	. 1.00	× 1.98	
1Bitlingstham (C)S)	× 1.00	· 1.00	
1 1-5(ch) cross/here (GTS)	× 1.00	.1.00	
1,2-Dickloroethare (GDS)	· 1.00	· 1.00	
	8 8 8	< 5.00	
1,2-Dichicoetteres (cis a tiens) (acce)	41.00	4 1.00	
	× 1.00	· 1.00	
	.1.00	· 1.00	
Chloroform (60%)	< 1.00	· 1.00	
Dibranch (cropropere (GDKS)	< 12.0	< 12.0	

Motes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

MANUFACTURE OF THE PROPERTY OF	for Domestic Well Samples	

Sample 10	EX 1156	MA1170
Date	01/26/90	05/27/20
	CC/NS of	GC/HS of
	1184114896	10021TWPE0
Amilytes		r
Ethy! Benzere (GDS)	. 1.8	× 1.00
H-Itylene (GOIS)	× 1.8	. 1.00
Methylene Chloride (GOS)	× 1.00	< 1.00
Nethyl isobutyl Ketone (GDB)	c 1.40	· 1.40
O,P-Xylene (GCRS)	< 2.80	< 2.00
Tetrachioroethere (GDIS)	4 1.88	4 1.8
Toluene (60%)	× 1.8	· 1.00
Irichloroethene (GDS)	× 1.8	· 1.00
Vinyl Chloride (6015)	< 12.0	< 12.0

Values are reported to three significant figures. Motes: Values are reported in micrograms per liter.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

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MA1151	05/92/10	IB of	1184114096
Semple 10	Date		

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3
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0 760	× 0.780	< 0.730	× 1.78	< 1.10	< 0.760	. 1.65	× 0.990	< 0.820	< 0.500	< 1.37	< 1.32	o7'2 >	< 1.36	6.750
Volatiles	1, 1, 1-1 file to the comment	1 1-high coethere	1.1-Bichlaroethene	1,2-Dichloroethane	1 2.Pichlomethene (cis & trans)	Largers I	Certan Tetrackloride	Chardenzene	Chlaroform	Fthyl Benzere	1,5 1,4 m	Methylene Chloride	o P-tylene	Tetrachloroethere

Notes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

- c -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Analyzed.
- R -- Data did not seet quality control criteria and were rejected.
 - 18 -- Trip Blank

Table 87 OA/OC Analytical Data for Domestic Well Samples

2 7	HA1151
Parce.	04/52/10
	18 of
	1184114096
nalytes	
olatiles	•
Toluene	< 1.47
Tricklomethere	× 0.560

Values are reported to three significant figures. Notes: Values are reported in micrograms per liter.

c -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data diánot meet quality control criteria and were rejected.

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Table BB Duplicate Analytical Data for Domestic Well Samples

Sample 10	AA 1030	IA1031	IA 1068	8A1149	141271
Date	01/17/89	01/31/89 Den of	12/28/89 Duo of	01/26/90 Pub of	06/21/30 Dup of
	13350TV104	11830TV112	10720TuBR1	1184171096	1184174096
Analytes					
Metals/Anions/General Chea					
breati	< 2.35	< 2.35	< 2.35	< 2.35	< 2.35 .
	· 8.40	× 8.40	c 6.78	¢ 6.78	6.78
	94,260	110000	134000	1460	1380
	00069	96000	140000	.	34.20
	· %.	< 24.0	< 16.8	< 16.8	< 16.8
	,	, ,	e e .	# # X	× 18.8
Copper					8
Cyanide	8 .6.	2.01			2016
fluoride	1588	1526	260	i.	2 [
<u> </u>	1	ī	≦	1	< 77.5
Lead	< 74.0	< 74.0	· 63.6	< 43.4	< 43.4
	915	31100	32000	× 135	< 135
	1	1	≦	£	× 9.67
	× 0.100	< 0.100	· 0.100	< 0.100	< 0.100
METCHY Witness at Benchmarifie	8	3500	2400	37.7	140
Potassium	1030	4530	3330	< 1240	< 1240
Sodium	200002	90900	160000	00000i	93000

Values are reported to three significant figures. Motes: Values are reported in micrograms per liter.

^{...} indicates that the target analyte was not detected at > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. or above the Certified Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were MA -- Mot Analyzed. R -- Data did not M rejected.

Table 88 Duplicate Analytical Data for Domestic Well Samples

See 10	IIA1030	IIA1031	841068	IN1149	HA1271
Date	60/11/00	01/31/89	12/28/89	01/26/90	08/21/90
	go dag	Dup of	Dup of	Dup of	Dup of
	13350TV10K	1183011112	10720TUBE!	1164114096	1184114096
Amilytes					
Metals/Anions/General Chem					
Sulfate	320000	200000	290000	~	21000
Total Organic Carbon	1	1	009	< 1000 *	× 1000
Zinc	74.6	< 22.0	51.3	o.8t >	^ 16. 0
Phenota				٠	
2,3,6-Trichloraphenol (GDIS)	¢ 1.70	S.1.	× 1.7	٠ د	٠ 1. ۶
2,4,5-Trichlarophenol (GDIS)	£	< 2.80	< 2.80	< 2.80	< 2.80
2,4,6-Trichlarophenol (GOTS)	< 3.60	< 3.60	× 3.60	< 3.60	< 3.60
2,4-Dichloropherol (6015)	07"8 >	× 8.40	· 8.40	07.8 >	o y .8 >
2,4-Dimethylphenol (GDRS)	97.4 >	07'5 >	o 7. 7 >	05'5 >	07.4 >
2,4-Dinitrophenol (GDIS)	< 176	× 176	× 176	× 176	> 176
2-Chlorophenol (GDKS)	< 2.80	< 2.80	< 2.80	< 2.80	< 2.80
2-Nethylphenol (GOIS)	< 3.60	< 3.60	× 3.60	< 3.60	< 3,60
2-Hitrophenol (GDS)	< 8.20	× 8.20	· 8.20	8.8 •	6.20
3-Hethyl-4-Chlorophenol (GDS)	× 8.50	× 8.50	< 8.50	× 8.50	6.50
6-techylohens (SDS)	< 2.80	< 2.80	< 2.80	< 2.80	< 2.80
6-Hitraphenol (6015)	· %·0	· 96.0	· 96.0	0.96 >	· %·0
Phenol (GDIS)	< 2.20	< 2.20	< 2.20	< 2.20	< 2.20

Motes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

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< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> .. indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

Table 88 Duplicate Analytical Data for Domestic Well Samples

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Sample 10 Date	9A1030 01/17/89 01/15/89 04p of 133501V104	MA1031 01/31/89 Pup of 116301V112	HA1068 12/25/69 Dup of 107201488.1	MA1149 01/26/90 Dup of 1184174096	HA1271 08/21/90 Dup of 1184114096
Analytes					
Seaivolatiles	< 2.38	< 2.38	< 2.38	< 2.38	< 2.38
	< 27.0	< 27.0	< 27.0	< 27.0	< 27.0
1,4-material are (wors)	× 0.0490	× 0.0490	× 0.0490	< 0.0490	< 0.0490
Z,Z-81S(pst senter updesty.)-1,1,1,111 that of continue (2015)	× 18.0	· 18.0	< 18.0	< 18.0	× 18.0
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE)	< 0.0540	< 0.0540	< 0.0540	o 0.0540	< 0.0540
	< 14.0	< 14.0	< 14.0	< 14.0	< 14.0
5	69.69	< 5.69	< 5.69	< 5.69	< 5.69
4-Chloropheryusethyu surrius	· 10.0	< 10.0	< 10.0	< 10.0	o.0t >
t-Interconstruction and the towns	× 7.46	< 7.46	< 7.46	< 7.46	× 7.46
4-thioropherylmethyl Sulfore (GDS)	< 5.30	< 5.30	< 5.30	< 5.30	< 5.30
	< 11.5	< 11.5	< 11.5	< 11.5	< 11.5
4-interdimental solutions	< 15.0	< 15.0	< 15.0	< 15.0	< 15.0
rophenythethyt suttomice	0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.05c0
Aldrin	< 13.0	< 13.0	< 13.0	< 13.0	< 13.0
Aldrin (6285) Atrazine	× 4.03	< 4.03	< 4.03	< 4.03	< 4.03
Atrazine (GCMS)	< 5.90	× 5.90	< 5.90	< 5.90	< 5.90

Values are reported to three significant figures. Notes: Values are reported in micrograms per liter.

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were MA -- Not Analyzed.
R -- Data did not rejected.

Table 88 Duplicate Analytical Data for Domestic Well Samples

Sample 10 Date	01/17/89 01/17/89 04p of	MA1031 01/31/89 Dup of	HA1068 12/28/89 Dup of	MA1149 01/26/90 bup of 1184114096	HA1271 08/21/90 0up of 1184114096
Analytes	The state of the s				
Semivolatiles	· 5.00	· 5.00	< 5.00	< 5.00	· 5.00
Benzolfnikzole	< 5.90	< 5.90	< 5.90	< 5.90	< 5.90
Bicyclo (b) () myte b, of come	1	4	× 7.70	oz.7 >	₽.7 × ·
SIS (-Ethylment) formation (-English)	\$	1	or.7 >	< 10.0	K.7.>
Caprolectem (surs)	< 0.0950	< 0.0950	< 0.0%0	< 0.095 0	< 0.0950
	< 37.0	< 37.0	< 37.0	< 37.0	< 37.0
Chilordene (6UAS)	9 5 8	< 5.00	< 5.00	< 5.00	× 5.00
Dicyclopentadiene	55.50	< 5.50	× 5.56	< 5.50	< 5.50
Dicyclopentadiene (GUNS)	0.0500	< 0.0500	< 0.0500	< 0.0500 <	< 0.0500
Dieldrin Dieldrin (GDRS)	¢ 28.0	< 26.0	< 26.0	< 26.0	< 26.0
:	0 K	19.5	79.0	< 0.392	< 0.392
Diisopropyl Wethylphosphonate	. 27.0	< 21.0	77.4	< 21.0	< 21.0
Diisaprapyl Nethylphosphonice (6475)	, 0, 188	0.23	< 0.188	< 0.186	× 0.188
DIMETRY/METRY PROSPEROVERS	× 130	× 130	< 130	× 130	× 130
Distributed of the control of the co	× 1.34	< 1.34	× 1.34	4.1.¥	×1.34
Dithiane (GCMS)	< 3.30	< 3.30	< 3.30	× 3.30	< 3.30

Notes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

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⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA --- Not Analyzed. R --- Data did not meet quality control criteria and were

Table 88 Duplicate Analytical Data for Domestic Well Samples

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Sample 10 Date	0501AH 01/17/89 0-cp of 1335014104	HA1931 01/31/89 0up of 1183014112	HA1068 12/25/89 Dup of 1072014881	HA1149 01/26/90 Dup of 1184114096	MA1271 08/21/90 Dup of 11641Tu096
Analytes					
Semivolatiles	0 000	050	< 0.0500	< 0.0500	< 0.0500
Endrin	4 18 D	× 18.0	< 18.0	< 18.0	< 18.0
Endrin ("CHS)	< 0.0680	< 0.0480	< 0.0480	× 0.0480	< 0.0480
Nexach procycl opentadiene	0 75	0.75	· 55.0	o. %	, <u>%</u> .
Nexachlorocyclopentadiene (GURS) Isodrin	< 0.0510	< 0.0510	< 0.0510	< 0.0510	< 6.0510
	A 7.80	< 7.80	< 7.80	< 7.80	< 7.80
Isadrin (GCIS)	KA O	< 0.373	< 0.373	< 0.373	< 0.373
Nalethion	< 21.0	< 21.0	< 21.0	< 21.0	< 21.0
Halathion (GDIS)	× 0.647	< 0.647	< 0.647	< 0.647	< 0.647
Perathion Perathion (GDIS)	< 37.0	< 37.0	< 37.0	< 37.0	< 37.0
	0 10	< 9.10	< 9.10	< 9.10	< 9.10
Pentachlorophenol (GDIS)	787.0 >	< 0.787	< 0.787	< 0.787	< 0.787
euodrs.	4 19.0	< 19.0	< 19.0	< 19.0	< 19.0
Supara (60%)	6.36	< 0.384	< 0.384	< 0.384	× 0.384
Vapone (GDIS)	< 8.50	· 8.50	× 8.50	× 8.50	× 8.50
Volatiles ;,1,1-Trichloroethane	· 0.760	· 0.760	3.26	o92.0 >	< 0.760

Motes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

NA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

incicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

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Table 88 Duplicate Analytical Data for Domestic Well Samples

5	#A1030	MA1931	NA 1068	HA1149	MA1271
	01/11/10	01/31/89	12/28/89	01/26/90	08/21/90
	50 07	Oup of	jo dra	Dup of	Pup of
	1335014106	11830TU112	10720TMBR1	1184174096	1184114096
Analytes					
Volatiles					,
	≦	3	\$	• 1.00	8.
1,1,1-1richtorement (who)	. O	< 0.780	× 0.780	< 0.780	< 0.780
1,1,2-irighterment	1	1	1	× 1.80	. 1.00
1,1,2-Trichloroethane (GDRS)	97. 6	5.	952.0 >	< 0.730	< 0.7 30
1, 1-Dichloroethane	2.5	3			5
1,1-Dichloroethane (60K)	á	1	≦	3	3.
	5.T >	6.1.70	× 1.8	¥.1.	٠ 1.7
	1	1	¥	4 1.00	× 1.00
1,1-Dichloroethene (GUS)	i \$		< 1.10	< 1.10	< 1.10
1,2-Dichloroethane	? :	2 1	1	× 1.80	× 1.00
1,2-Dichloroethane (SOS)	1	í	E		972. 4
1,2-Dichloroethenes (cis & trans)	< 0.760	· 0.760	< 0.760	< 0.760	707.0 ×
	1	\$	1	< 5.00	< 5.00
	, 1.65	· 1.65	. 1.05	· 1.05	. 1.05
Verzere	1	1	\$. 1.00	• 1.00
Jeniere (GJS)	5	066.0	066-0 >	< 0.990	v 0.990
Carbon Tetrachloride		1	1	× 1.00	· 1.00
Carbon Tetrachloride (GCMS)	á	í	i		
Chlorobenżene	< 0.820	0.820	· 0.820	< 0.620	< 0.820

Values are reported to three significant figures. Notes: Values are reported in micrograms per liter.

< -- indicates that the target analyte was not detected at

> -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Mot Amalyzed.

R .-- Data did not meet quality control criteria and were

Table BB Duplicate Analytical Data for Demostic Well Samples

Sample 1D Date	MA1630 01/17/89 04p of 133501V104	#A1031 01/31/89 bup of 1183014112	12/26/69 0up of 10/2014881	MA1149 01/26/90 Dup of 1184114096	NA1271 08/21/90 Dup of 1184114096
Analytes					
Volatiles	1	\$	\$	× 1.00	< 1.00
Chlorobenzene (GDS)	i §	0.50	0.962	< 0.500	< 0.500
Chloroform	3	1	3	× 1.00	• 1.00
Chloroform (GDMS)	, ,	195	< 0.195	< 0.195	< 0.195
Dibranochloropropere nibranochloropropere (GDIS)	< 12.0	< 12.0	< 12.0	< 12.0	< 12.0
	6	55 6 7	< 0.550	< 0.550	< 0.550
Dissethyl Disselfide	0.220	1 17	< 1.37	< 1.37	< 1.37
Ethyl Benzene	(C.1 >	1	1	4 1.00	< 1.00
Ethyl Denzene (GOIS)	.	27	< 1.32	< 1.32	· 1.32
H-Xylene (CDS)	4	\$	1	× 1.00	× 1.00
		07 2 7	o 7 -2	< 7.40	< 7.40
Hethylene Chloride	3 1	1	*	· 1.00	0.1 >
Nethylene Chloride (GCMS)	4 8	i 8	96-7 >	× 4.8	o.4 ×
Nethylisabutyl Ketone	8.	2	\$	× 1.40	< 1.40
Methylisobutyl Ketone (GCMS)	¥ 7.	, 1.3k I	< 1.36	× 1.36	c 1.36
O,P-Xytene				;	\$
O,P-Xylene (GDIS)	1	ž	≦	< 2.00 < 2.00	8.7.

Notes: Values are reported in micrograms per liter.

Values are reported to three significant figures.

- ... indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - NA -- Not Analyzed.
- R -- Data did not meet quality control criteria and were rejected.

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Table BS Duplicate Analytical Data

for Domestic Well Samples

Sample ID Date	MA1030 01/17/69 Dup of 133501V106	MA1031 01/31/89 Dup of 11830Tu112	12/28/89 12/28/89 Dup of 10720148R1	MA1149 01/26/90 Dup of 11841714996	18417190 06/21/90 04p of 1184174096	•
nalytes						
Tetrachloroethene Tetrachloroethene (GDNS) Toluene Toluene (GDNS) Trichloroethene Trichloroethene (GDNS)	6.730 4.1.57 4.1.50 5.0.560	0.750 M 1.47 M 2.60 M M M M M M M M M M M M M M M M M M M	0.7501.471.470.560	 0.750 1.00 1.47 1.00 0.560 1.00 12.0 	< 0.750 < 1.00 < 1.67 < 1.00 < 0.560 < 1.00 < 1.00 < 1.00 < 1.00 < 1.00 < 1.00 < 12.0	•

Motes: Values are reported in micrograms per liter. Values are reported to three significant figures.

-- indicates that the target analyte was not detected at

< -- indicates that the target analyte was not detected a
or above the Certified Reporting Limit.
</p>

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

ALA -- Not Analyzed.

g -- Data did not meet quality control criteria and were

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LIST OF TABLES

Table No.	
Cl	Surface-Water Investigative Analytical Data
C2	Surface-Water GC/MS Analytical Data
C3	Surface-Water Duplicate Analytical Data

Table C1 Surface-Mater Investigative Analytical Data

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Sample 1D Date	MA09715W	MA0973SH 11/11/88	UA097755U	11/15/88	MA09795W 11/15/88
Analytes					
Metals/Anions/General Chem	3	\$		7.5	7, 3
Arsenic		6.35	6.33		7.50
Cachaium	× 8.40	× 8.45	0.40 0.40	9 9 9	
Calcium	790000	190000		10mor	
Chloride	530000	320000	280000	300000	310000
Chromium	< 24.0	< 24.0	· 24.0	< 24.0	× %-0
Comment	0.85.	· 26.0	· 26.0	× 26.C	< 26.0
	12.3	< 5.00	< 5.00	< 5.00	· 5.00
	0929	3960	3740	3610	0657
	< 74.0	< 74.0	< 74.0	< 74.0	< 74.0
Hagnesium	180000	78500	00/99	0069	70200
	< 0.100	· 0.100	· 0.100	< 0.100	< 0.100
Hiterion Hiterate Hon-Confic	2009	2600	3000	3300	1900
	258	0627	4530	4140	07/7
	510000	290000	230000	540000	240000
Sulfate	1500000	000087	000017	000077	430000
Tabel Oceanic Parton	ī	≨	≦	1	1
Zinc Zinc	93.3	33.6	4 22.0	4 22.0	< 22.0
Phenols					
2.3.6-Trichlorophenol (GOMS)	≨	ī	ĭ	\$	غ
2,4,5-Trichtorophenol (GDIS)	¥	1	1	s	1

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were NA -- Net Analyzed. R -- Data did not A rejected.

Table C1 Surface-Water Investigative Analytical Data

Sample ID Date	W21790MI	MA097354 11/11/88	W2775W	11/15/88	11/15/88
mlytes					•
s)oca-					
2,4,6-Trichlorophenol (GONS)	£	\$	1	\$	1
2,4-Dichlorophenol (GDS)	1	1	≦	¥	ī
2,4-Dimethylphenol (GDIS)	1	£	1	ĭ	\$
2,4-Dinitrophenol (GDNS)	1	1	≦	≦	1
2-Chlorophenol (GCHS)	ă	á	ī	1	≦
2-Hethylphenol (GDMS)	· ≤	£	s	š	ź
2-Witraphenol (GOS)	ī	¥	¥	ă	£
3-Nethyl-4-Chlorophenol (GCMS)	1	£	¥	£	≦
4-Nethylphenol (GDIS)	1	\$	ĭ	¥	¥
4-Hitrophenol (GDIS)	£	s	1	≦	ž
Phenol (GDIS)	£	á	á	\$	í
mivol at iles					
1,4-Ocathiane	< 2.38	< 2.38	< 2.38	< 2.38	< 2.38
1.4-Ocathiane (GDS)	× 7.90	< 7.90	× 7.90	× 7.90	× 7.90
2.2-Bis(narach(orocheryt)-1.1.1-Trich(oroethere (001)	× 0.0490	< 0.0490 ×	0.0690	< 0.0490 <	× 0.0490
2.2-Bis(parachlorophenyl)-1.1-Trichloroethere (301) (605)	× 9.20	× 9.20	× 9.20	< 9.20	× 9.20
2,2-Bis(perachlorophenyl)-1,1-Dichloroethere (DDE)	• 0.0540	< 0.m540	< 0.0540	< 0.0540	0.0540
2.2-fis(perachlorophery()-1,1-Dichleroethere (DDE) (GCPS)	6.10	< 6.10	< 6.10	< 6.10	6.10
6-Chlorophenylaethyl Sulfide	. 5.69	< 5.69	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide (GDIS)	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0

Reported values are accurate to three significant figures. Values are reported in micrograms per liter. Hotes:

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

-- Data did not meet quality control criteria and were

Table C1 Surface-Water Investigative Analytical Data

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Sample ID Date	MA097154 11/11/88	11/11/88	HA097754 11/15/88	11/15/88	11/15/88
Analytes					
Scaivolatiles	, .	77.77	7 01	27.75	5
4-Chloraphenylmethyl Sulfane	\$ F.	2 R	× 7.20	4 7.20	< 7.20
6-Chlorophery (methyl Sulfane (GDS)	< 11.5	< 11.5	< 11.5	< 11.5	120
4-Chloropheny Limitals and John Comes	× 29.0	< 29.0	< 29.0	· 29.0	0.62 >
4-Chlorophenylaethyl surtaklat (w.ns.) Aldrin	< 0.0500	< 0.0500	× 0.0500	< 0.0500	< 0.0500
	× 7.50	c 7.50	× 7.56	× 7.50	< 7.50
Aldrin (GDS)	\$9.4 ×	< 4.03	< 4.03	< 4.03	< 4.03
ACTAZINE	× 5.60	< 5.60	< 5.60	< 5.60	× 5.60
Athezine (GJS)	< 5.00	· 5.00	< 5.00	< 5.00	× 5.00
Berzothiazote Bicyclo (2,2,1) hepta-2,5-diene	< 5.90	< 5.90	< 5.90	< 5.90	< 5.90
	1	\$	a	á	ş
Bis (2-Ethylbexyl) Pathalate (MAS)	i 1	1	4	≦	4
Caprolactem (GUS)	0000	< 0.0950	< 0.0950	< 0.0750	< 0.0950
	97.6 >	. 07.6 >	< 9.40	67.6 >	07.6 >
Chlordane (GLPS) Dicyclopentadiene	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
	0£-7 >	c 7.30	< 7.30	< 7.30	< 7.30
Dicyclopentagiene (u.m.)	00000	0.147	< 0.0500	< 0.0500	9.0764
Dielarin	R.4 ×	P.* >	· 4.70	2.4.	p.4.
Dielarin (GLMS) Diisaaraayi Methyiphosphomate	76.7	5.90	6.11	2.47	4.76

Motes: Values are reported in micrograms per liter.

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Table () Surface-Water Investigative Analytical Data

. Sample Date	US1792494	11/11/88	W277934 11/15/88	11/15/88	11/15/88	
elytes	}					
mivolatiles	÷ ,	o 14.0	× 14.0	< 14.0	< 14.0	
D. isapropyl Methylphosphonate (GDS)	0 227	55.20	0.57	0.209	152.0	
Dimethylmethyl Phosphorate	0.83.0	< 33.0	< 33.0	< 33.0	< 33.0	
Dimethylmethyl Phosphormice (MLMS)	× 1.3	× 1.3	× 1.%	< 1.34	× 1.%	
Dithiere (CDS)	< 21.0	< 21.0	4.2	< 21.0	< 21.0	
	.	\$	1	ā	ĭ	
Endrin	i 8	\$ · \$	· 8.00	× 8.00	× 8.00	
Endrin (GDIS)	0070	< 0.0480	< 0.0480	0.0480	< 0.0480	
Hexachi orocycl operit adi one	- C - C - C - C - C - C - C - C - C - C	< 21.0	< 21.0	< 21.0	< 21.0	
Neuechlorocyclopentadiene (GORS) Isodrin	< 0.0510	< 0.0510	< 0.0510	< 0.0510	0.0510	
	2 "	£.3	ć 3.73	× 3.78	× 3.70	
Isodrin (GDIS)	× 0. 473	< 0.373	< 0.373	< 0.373	< 0.373	
Helathion	0.41 >	< 14.0	< 14.0	< 14.0	< 14.0	
Helethian (GDIS)	279 · 0 · >	× 0.647	< 0.647	< 0.647	× 0.647	
Perathion Perathion (GDIS)	× 19.0	< 19.0	· 19.0	< 19.0	< 19.0	
	\$	1	\$	1	≦	
Pertacal organism (w.r.s.)	•	~	~	~	~	
Spore	× 9.30	× 9.30	< 9.30	× 9.30	< 9.30	
Vaccine (e.r.s.)	× 0.30/	< 0.384	< 0.384	< 0.384	< 0.384	

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were MA -- Mot Analyzed. R -- Data did not m

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Table C1 Surface-Water Investigative Analytical Data

Sample 1D Date	WAD971SW 11/11/88	HA0973SU 11/11/66	11/15/88	MA0978SM 11/15/88	MA0979SW 11/15/88
Analytes					
Semivolatiles Vapona (GCMS)	< 17.0	< 17.0	< 17.0	< 17.0	< 17.0
Volatiles	0,740	· 0.760	< 0.760	< 0.760	· 0.760
1, 1, 1-Trichloroethane	8.	× 1.00	• 1.00	. 1.00	· 1.00
1, 1, 1-Trichloroethane (GUS)	00.700	× 0.780	< 0.780	< 0.780	< 0.780
1, 1, 2-Trichloroethane	9	61.0	. 1.00	< 1.00	* 1.00
1,1,2-Trichloroethane (GUS) 1,1-Dichloroethane	< 0.730	< 0.730	< 0.730	0.730	< 0.730
	8	5	× 1.00	× 1.00	* 1.00
1,1-Dichloroethame (GDRS)	3 6	8 8	R	6.1.7	× 1.78
1,1-Dichloroethane	2 5	2 5	9.1	· 1.00	× 1.00
1,1-Dichloroethere (GDNS)	8 5	61.18	× 1.10	< 1.10	< 1.10
1,2-Dichloroethane 1,2-Dichloroethane (GDS)		4 1.00	× 1.00	4 1.00	< 1.00
	•	072.0	97.0	4 B. 760	0.7 60
_	90.0 00.0		\$ 2.00 \$ 5.00	< 5.00	< 5.00
1,2-Dichloroethenes (cis & trans) (GDIS)	8.5.	5.5	4 1.65	· 1.05	< 1.05
Benzene		8 1 9	4 1.60	* 1.00	× 1.0
Benzene (GONS) Carbon Tetrachloride	× 0.990	< 0.990	× 0.990	· 0.990	× 0.990
	5	< 1.00	4 1.00	< 1.00	4 1.00
Carbon Tetrachloride (GCMS)	029.0	< 0.820	< 0.820	< 0.820	× 0.620
Chlorobenzene (GDIS)	· 1.00	< 1.00	• 1.00	< 1.00	× 1.8

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C1 Surface-Water Investigative Analytical Data

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Sample 10	WA0971SW	HA097354	WAD9775W	WAS978SW	NS6160VN
Date	11/11/88	11/11/88	11/15/88	11/15/88	11/15/88
Analytes					
Volatiles					
Chloroform	< 0.500	< 0.500	< 0.500	0.599	< 0.500
Chlaroform (GDIS)	× 1.00	× 1.00	< 1.00	< 1.00	< 1.00
Dibromochloropropene	< 0.195	· 0.1%	< 0.195	< 0.195	< 0.195
Dibramochloropropene (GONS)	· 19.0	< 19.0	< 19.0	< 19.0	< 19.0
Dimethyl Disulfide	< 0.550	< 0.550	< 0.550	· C 550	< 0.550
Ethy! Benzene	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37
Ethyl Benzene (GDS)	. 1.88	· 1.00	. 1.90	× 1.00	× 1.00
M-Xylene	×1.2	< 1.32	< 1.32	< 1.32	< 1.32
H-Xylene (GDIS)	< 1.00	. 1.00	· 1.00	. 1.00	× 1.00
Nethylene Chloride	< 7.40	× 7.40	< 7.40	or.7 >	< 7.40
Nethylane Chloride (GCNS)	· 1.80	4 1.00	· 1.00	· 1.00	< 1.00
Methyl isobutyl Ketone	× 4.9	6.4.9	06.4 >	06.4 >	× 4.90
Nethyl isdutyl Ketone (GDIS)	< 1.48	< 1.40	o 7 .1 ×	· 1.40	× 1.40
O,P-tytene	· 1.36	· 1.36	× 1.36	× 1.36	< 1.36
O,P-Kytene (GOMS)	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Tetrachloroethene	< 8.750	< 0.750	· 0.750	< 0.750	< 0.750
Tetrachloroethene (GDIS)	· 1.00	· 1.60	× 1.00	< 1.00	× 1.00
Toluere	< 1.47	< 1.67	< 1.67	25.1 >	< 1.47
Toluene (GCMS)	. 1.00	· 1.00	· 1.90	• 1.00	· 1.00

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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⁻⁻ Data did not meet quality control criteria and were MA -- Mot Analyzed. R -- Data did not m

Table C1 Surface-Mater Investigative Analytical Data

MA09775W MA0		<pre></pre>
Semple ID Date	Analytes	Volatiles Trichloroethene Trichloroethene (GCMS) Vinyl Chloride (GCMS)

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at 0: above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

Sample 10	NA0980SW	MA11545U	MA1156SU	MA1158SU 06.415.400	HA1160SW
Date			2000	26.62	
Analytes					
Wetals/Anions/General Chem					
Arsenic	50.9	2.78	< 2.35	< 2.35	< 2.35
Cachain	o 7.8 >	6.78	6.78	s 6.73	6.7 9
Calcius	00007	87700	55500	61200	2900
Charide	20000	140000	00007	00007	38000
Chromica	· 24.0	< 16.8	× 16.8	< 16.8	< 16.8
Conner	· 28.0	× 18.8	× 16.8	< 18.8	< 18.8
Cyanide	< 5.00	•	*	•	-
Fluoride	0697	922	926	1060	298
P89	< 74.0	< 43.4	4.63.4	7.53 ×	< 43.4
Magnes fum	20900	44700	12500	13800	17200
Percury	0.100	0.393	0.50	0.303	0.321
Bissise Mitrate - Bor-Specific	5	< 10.0	1600	1800	2300
Potaecia	2230	4330	0127	0227	3420
Sodius	220000	210000	90267	20200	45100
Sulfate	3900	360000	13000	110000	100001
Total Graunic Carbon	ž	24.70	5190	3620	7007
Zinc	• 22.0	< 18. 0	< 18.0	. < 18.0	< 18.0
7 3 6-Trichloronhems (GDIS)	1	× 1.78	× 1.70	6.1.20	s.1.8
2,4,5-Trichlorghenol (GDRS)	í	< 2.80	< 2.80	< 2.80	< 2.80

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures. < -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

-- indicates that the target analyte was detected at or

above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteris and were

Table C1 Surface-Water Investigative Analytical Data

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Sample 15 Date	NA0980SW 11/18/88	KA115454 05/17/90	NA11565W 05/17/90	NA1158SU 05/15/90	HA11605W 05/11/90
salytes					
venols 2.4.4-Trichlocopenol (GDMS)	1	× 3.60	4 3.60	< 3.60	< 3.60
2,4-Dichlorophenol (SORS)	\$	· 8.40	07.8 >	8.40	6.40 6.40
2,4-Dimethylphenol (GDMS)	1	6.40 176	< 4.40 < 176	4.40 4.176	· 176
2,4-Dinitrophenol (GDMS) 2-Chiorophenol (GDMS)	5	< 2.80	< 2.80	< 2.80	< 2.80
	3	· 3.60	× 3.60	< 3.60	4 3.60
Carrier (Grand)	≦	· 8.20	× 8.20	< 8.20	6.20
Z-mitrophenoi (eLPS)	1	. 8.50	< 8.50	< 8.50	< 8.50
S-HELMYI-4-Chica character (e. 42)	\$	< 2.30	< 2.80	< 2.80	< 2.86
4-Netry(phenol (4Jns) 4-Nitrophenol (6DNS)	\$	· %:0	× 96.0	° %.0	0.0% > .
Phenol (GDKS)	á	< 2.20	< 2.20	< 2.20	< 2.20
emivolatiles	5	< 2.36	× 2.38	< 2.38	< 2.33
1, 4-Ouath) are	1	< 27.0	< 27.0	< 27.6	< 27.0
1,4-Ouethiere (GDS)	067 G >	× 0.0490	× 0.0430	0, 184	< 0.0%90
Z.7-Pis(parachiordmany) Fig. 1. To the occurrence (DDT) (CDE)	\$	× 18.0	< 18.0	< 15.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1-Bichloroethene (00E)	0,540	< 0.0540	< 0.0540	0.389	0.0540
(SICS) (SICS) anadiante (Acide to Company (1967)	ā	< 14.0	< 14.0	< 14.0	< 14.0
2,2-61s(parach(orquery1)-1,1-01cm(orquery (co.), co.)	69.5 >	< 5.69	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide (GCMS)	4	< 10.0	< 10.0	< 10.0	· 10.0

Values are reported in micrograms per liter. hotes:

Reported values are accurate to three significant figures.

- ... indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

rejected.

MA -- Not Analyzed. R -- Data did not weet quality control criteria and were

Table C1 Surface-Water Investigative Analytical Data

Sample ID Date	MA0960SW 11/18/88	MA1154SW 05/17/90	HA1156SW 05/17/90	HA1158SU 05/15/90	HA1160SU 05/11/90
Analytes					
Semivolutiles	•				
4-Chlorophenylmethyl Sulfone	< 7.46	× 7.46	< 7.46	× 7.46	× 7.46
4-Chiorophenyimethyl Sulfane (GDIS)	ĭ	< 5.30	< 5.30	< 5.30	< 5.30
4-Chlorophenylmethyl Sulfoxide	< 11.5	< 11.5	· 11.5	< 11.5	< 11.5
4-Chlorophenylmethyl Sulfoxide (GDIS)	ī	< 15.0	< 15.0	< 15.0	< 15.0
Aldrin	0.500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Aldrin (6015)	ā	< 13.0	< 13.0	< 13.0	< 13.0
Atrezine	× 4.03	6.80	< 4.03	< 4.03	× 4.03
Atrazine (GDIS)	1	< 5.98	< 5.90	< 5.90	· 5.90
Per zoth i ezol e	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
Bicyclo [2,2,1] hepta-2,5-diene	\$	< 5.90	< 5.90	· 5.90	< 5.90
Bis (2-Ethylhexyl) Phtholate (COIS)	á	22.0	6.7.×	¢ 7.70	67.70
Caprolactam (GDIS)	ş	< 10.0	< 10.0	< 10.0	< 10.0
Chlordene	· 0.950	0.388	< 0.0950	< 0.0950	< 0.0950
Chlordene (6015)	ĭ	< 37.0	< 37.0	< 37.0	< 37.0
Dicyclopentadiana	1	~	< 5.00	< 5.00	< 5.00
Dicyclopentadiene (GDMS)	ĭ	7.43	. 5.50	< 5.50	< 5.50
oieldrin	< 0.500	< 0.0500	< 0.0500	< 0.0500	< 0.0 500
Dieldrin (GDS)	¥	. 26.0	< 26.0	< 26.0	< 26.0
Diisopropyl Methylphosphonate	13.1	59.0	2.91	0.532	< 0.392

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R ... Data did not meet quality control criteria and were 44...

Table C1 Surface-Water Investigative Analytical Data

Sample ID Date	HA0960SU 11/18/88	HA115454 05/17/90	HA1156SH 05/17/90	HA1158SW 05/15/90	MA1160SU 05/11/90
Analytes					
Semivolatiles	1	9.07	< 21.0	< 21.0	< 21.0
Diisopropyt Methylphosphonate (GDMS)	£ 8	< 0.188	< 0.188	× 6.188	< 0.1 68
Dimethylmethyl Phosphonate	1	951 >	× 130	< 130	× 130
Dimethylmethyl Phosphonate (GDIS)	, ,	×1.3	×1.34	× 1.34	< 1.34
Dithiane (COS)	¥	< 3.30	< 3.30	< 3.30	< 3.30
	050	00200 >	< 0.0500	< 0.0500	< c.0500
Endrin	97.0	< 18.0	< 18.0	< 18.0 ·	× 18.0
Endrin (GOIS)	1000	× 0.0480	< 0.0480	< 0.0480	•
Nexach lorocyc i apentadiene	1	× 54.0	× ¥.0	o. 56.0	< 54.0
Hexach orocyclopentadiene (GDRS)	< 0.510	< 0.0510	< 0.0510	< 0.05 10	< 0.0510
	1	2 7 80	< 7.80	< 7.80	< 7.80
leadrin (GOIS)	¥ .	< 0.373	< 0.373	< 0.373	< 0.373
Metathion	1	< 21.0	< 21.0	< 21.0	< 21.0
Halathion (GOIS)	279 0 >	× 0.647	< 0.647	< 0.647	× 0.647
Parathion (CDIS)	1	< 37.0	< 37.0	< 37.0	< 37.0
	1	0,10	< 9.10	< 9.10	< 9.10
Pentachlorophenol (GDIS)	× 0.787	< 0.787	< 0.787	< 0.787	< 0.787
audits	*	< 19.0	< 19.0	< 19.0	< 10.0
Suparie (GDIS)	< 0.384	< 0.384	< 0.386	< 0.384	< 0.384

Reported values are accurate to three significant figures. Motes: Values are reported in micrograms per liter.

^{...} indicates that the target analyte was not detected at

> ... indicates that the target analyte was detected at or or above the Certified Reporting Limit. above the Maximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were MA -- Not Analyzed. R -- Data did not m rejected.

Table C1 Surface-Water Investigative Analytical Data

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Sample IC Date	11/18/86	MA11545W 05/17/90	MA11565W 05/17/90	MA1158SW 05/15/90	MA1160SM 05/11/90
Analytes					
Semivolatiles Vapone (GCKS)	1	× 8.50	. 8.50	< 8.50	8.50
Volatiles	97.0	992'0 >	< 0.760	< 0.760	< 0.760
1,1,1-Irichlördethere	\$ 1.00 \$	9.1.9	4 1.00	· 1.00	· 1.00
1, 1, 1-interference (ecro)	06/.0	< 0.780	< 0.780	< 0.780	< 0.780
1 1 2-Trickleroethere (EDS)	× 1.00	4 1.00	· 1.00	· 1.00	• 1.00
1,1-Dichloroethane	< 0.730	< 0.730	< 0.730	< 0.730	< 0.730
1-0 i-bi ornerhane (COS)	• 1.00	• 1.00	· 1.8	. 1.00	* 1.00
1 1-Dichlomethere	× 1.70	s 1.70	K.1.	× 1.70	۰1.70
1 1-bink consthere (2018)	· 1.00	< 1.00	٠ 1.00	· 1.00	1.00
1 2-Birkleccethare	< 1.10	< 1.10	< 1.10	· 1.10	€ 1.83
1,2-Dichloroethane (GOS)	· 1.00	· 1.00	× 1.80	× 1.00	· 1.00
	< 0.760	< 0.760	< 0.760	< 0.7 60	< 0.760
1.2-high continues (cia. 2 trum) (CDS)	· 5.00	< 5.00	< 5.00	< 5.00	< 5.00
	. 1.05	× 1.65	· 1.05	· 1.05	· 1.05
	× 1.00	× 1.00	. 1.00	< 1,00	× 1.00
Carbon Tetrachloride	° 0.990	· 0.990	× 0.990	< 0.990	× 0.990
factor Lebrach legiste (CTR)	· 1.00	× 1.00	• 1.00	× 1.00	× 1.00
This content are	· 0.820	< 0.820	< 0.820	< 0.820	< 0.820
Chlorobenzere (GDIS)	4 1.00	• 1.00	. 1.00	· 1.00	< 1.00

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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c -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

HA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

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Table C1 Surface-Water Investigative Analytical Data

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Sample 10 Date	HACOPEOSA 11/18/88	HA1154SU 05/17/90	NA11565U 05/17/90	MA115@SW 05/15/90	MA1160SW 05/11/90
Analytes					
Volatiles	0.500	< 0.500	< 0.500	< 0.500	< 0.500
Chloroform	× 1.00	· 1.00	. 1.00	. 1.00	× 1.00
Chloroform (GDS)	× 0.15	< 0.195	< 0.195	< 0.195	< 0.195
Dibromoch Lordpropere	1	< 12.0	< 12.0	< 12.0	< 12.0
Dibromochloroproperte (surs) Dimethyl Disulfide	< 0.550	< 0.550	< 0.550	< 0.550	< 0.550
	X 1 3	< 1.37	< 1.37	< 1.37	< 1.37
Ethyl Benzene	× 1.00	· 1.00	. 1.00	× 1.00	· 1.00
Ethyl Benzene (GUS)	2	1.12	< 1.32	< 1.32	< 1.32
H-Kylene	8.	41.00	· 1.00	< 1.00	× 1.00
H-Xylene (GUns) Nethylene Chloride	o5'2 >	< 7.40	< 7.40	¢ 7.40	< 7.40
	00.1	· 1.00	• 1.00	4 1.00	< 1.00
Hethylene Chloride (GCMS)	1	06.4 >	06.4 >	× 4.90	~
Hethylisobutyt Ketone	· 1.45	07.1 >	· 1.40	< 1.40	× 1.40
Methylisobutyl Ketone (GLPS)	× 1.36	× 1.36	< 1.36	· 1.36	< 1.36
O,P-Zylene O,P-Xylene (GCMS)	< 2.00	< 2.00	< 2.00	· 2.00	< 2.00
•	0 × 0 × 0	· 0.730	< 0.750	< 0.750	< 0.750
Tetrachloroethere	× 1.00	× 1.00	< 1.00	· 1.00	× 1.00
Tetrachloroethene (GDS)	× 1.47	< 1.67	< 1.47	c 1.67	< 1.47
Toluene (GDIS)	× 1.00	× 1.00	· 1.00	. 1.00	4 1.00

Motes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.

⁻⁻ indicates that the target analyte was detected at of above the Naximum Reporting Limit.

MA -- Not Analyzed.

⁻⁻ Data did not meet quality control criteria and were rejected.

Table C1 Surface-Mater Investigative Analytical Data

Sample 10 Date	11/18/88	IM115454 05/17/90	MA1156S4 05/17/90	MA1158SW 05/15/90	MA1160SW 05/11/90
Analytes					
Volatiles Trichloroethene Trichloroethene (GDIS)	< 0.560 < 1.90 < 12.6	< 0.560 < 1.00 < 12.0	0.5601.0012.0	< 0.560 < 1.00 < 12.0	< 0.560 < 1.00 < 12.0

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

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R -- Data did not meet quality control criteria and were r-i---ad.

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Sample ID Dete	MAT1615W 05/15/90	HA1178SU 05/15/90	WA1179SW 05/15/90	NA1185SU 05/10/90	MA1196SU 06/01/90
Analytes					
Metals/Anions/General Chem	, %	< 2.35	< 2.35	< 2.35	2.82
Arsenic	12. 9 ×	\$ 6.78	· 6.78	× 6.78	6.78
	63500	90029	61800	907.200	27600
	41000	75000	00007	24000	. 57000
Chronice	< 16.8	< 16.8	< 16.8	< 16.8	< 16.8
,	* 18.8	× 18.8	× 18.8	< 18.8	< 18.8
Capper		*	~	~	•
Cyanida	1130	16.70	1090	1920	50
Fluoriae	\$.63.4	< 43.6	< 43.4	< 43.4	< 43.6
Lead Magnesium	14000	13600	13500	15100	12400
	200	92.0	0.557	0.315	< 0.100
Mercury	1900	2000	1900	1800	2300
mitrite, mitrate mortydeciric	2650	3990	7960	5310	3640
Potaesium	52000	00987	69500	73000	25400
Sodium Sulfate	110000	110000	110000	120000	130000
	26.70	3970	3920	7700	2000
fotal Organic Larrom Zinc	× 18.0	× 18.0	< 16.0	< 18.0	< 18.0
1					
Promots 2 2 4-Teinhinembern (CINS)	× 1.3	· 1.70	× 1.78	۶.1.۶	۶. <u>۲</u>
2,4,5-Trichlorophenol (GDIS)	< 2.80	< 2.80	< 2.80	< 2.80	< 2.30 <

Metes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table C1 Surface-Water Investigative Analytical Data

Sample ID Date	14116154 05/15/90	WA117854 05/15/90	MA117954 05/15/90	MA11855M 05/10/90	141196SV 06/01/90
alytes					
		9	97 2,	87 2 7	· 3.60
(CONS)	· 3.60	× 5.00	8.0	3 :	
7.4.9-iriminating in the second secon	× 8.40	· 8.40	× 8.40	97.8 v	0.40 ×
2,4-bichlorophenol (GLPS)	97.4	07.7 >	07.7 >	97.7	97.4 >
2,4-Diamethylphemol (GCMS)	×2.4	× 176	< 176	× 176	× 176
2,4-Dinitraphenol (GDMS)		× 2.80	< 2.80	< 2.80	< 2.80
2-Chlorophenol (GCHS)	8. 7	}			
	97 8	5	< 3.60	< 3.60	× 3.60
2-Hethylphenol (GDIS)	9.6		· 8.20	< 8.20	× 8.20
2-Hitrophenol (60%)	3.0	95	× 8.50		. < 8.50
3-Hethyt-4-Chloraphenol (GDIS)		2000	< 2.80	< 2.80	< 2.86
4-Hethytphenol (GORS)	8°.5°	0.96.	× 96.0	· 96.0	· 96.0
f-litraphenol (GDR)					
Phenci (GDIS)	< 2.20	. < 2.20	< 2.20	~ 2.20	< 2.20
enivolatiles	;	2	× 2.38	< 2.38	< 2.38
1, 4-Ocathiane	97.7	2.2	× 27.0	< 27.0	o.75 >
1,4-Ouathiene (GDS)	0.72 >	2:13 V	× 0.0490	× 0.0490	o 0.0490 •
2,2-Bis(parachtorophenyt)-1,1,1-Trichtoroethare (001)			< 18.0	< 18.0	< 18.0
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethare (DDI) (GDS) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethare (DDE)	< 16.0 < 0.0540	< 0.0540	< 0.0540	o , 0540	< 0.0540
STRUCK SAMES	- 1¢	< 14.0	< 14.0	< 14.0	< 14.0
2,2-8is(perachlorophenyl)-1,1-Dichloroethene (UDE) (GLM:	07 5 v	69-5	< 5.69	< 5.69	< 5.69
4-Chlorophenylmethyl Sulfide (GDIS)	× 10.0	< 10.0	< 10.0	< 10.0	< 10.0

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

indicates that the target arrive was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

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Sample 1D Date	HA116154 05/15/96	HA1178S4 05/15/90	NA117954 05/15/90	KA 118559 05/10/90	HA1196SU 06/01/90	
Anai, rtes	1					
Senivolatiles	**	77.77	97.7 >	× 7.46	< 7.46	
4-Chlorophenyimethyl Sulfone	01.7		< 5.30	< 5.30	< 5.30	
is-Chlorophenylmethyl Sulfone (GOIS)	5.15 v	< 11.5	< 11.5	< 11.5	< 11.5	
4-Chloropherylmethyl Sulfoxide	est »	< 15.0	< 15.0	< 15.0	< 15.0	
4-Chlorophenylmethyl Sulfoxide (GCNS) Aldrin	< 0.0500	< 0.0500	< 0.0500	< 0.0500	œ	
	E 25	0 11 0	< 13.0	< 13.0	< 13.0	
A(drin (GDK)	8.51 ×	× 4.03	< 4.03	< 4.03	4.13	
Atrazine	8 8	× 5.90	< 5.90	< 5.90	< 5.90	
Atrazine (GDIS)		× 5.00	< 5.00	× 5.90	< 5.00	
Benzothiazole ainen 12 2 11 henta-2.5-diene	06°5 >	< 5.90	< 5.90	× 5.90	× 5.8	
	ř.	£ ,	Ø-7 ×	o 7.70	5.7×	
Bis (2-Ethylhexyl) Phthalate (GDS)		5 et «	× 10.0	× 10.0	o. 7.70	
Caprolactem (GCMS)	950 6 4	0.0050	< 0.0950	0560.0 >	< 0.0950	
Chiordene		< 37.0	< 37.0	< 37.0	< 37.0	
Calordone (GOS) Notes constablished	\$ 5.00	× 5.00	× 5.00	< 5.00	× 5.00	
	5	5	< 5.50	< 5.50	< 5.50	
Dicyclopentadienr (GDIS)	0.50	O USON	< 0.0500	< 0.0500 ×	< 0.0500 <	
Dieldrin	000000	× 26.0	× 26.0	· 28.0	· 26.0	
Dieldrin (GOIS)	078.0	1.11	1.33	< 0.392	< 0.392	
Diisopropyl Nethylisosphorace						

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

... indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

-- Data did not meet quality control criteria and were rejected.

Table C1 Surface-Mater Investigative Analytical Data

!	121611AW	EA1178SU	WA11795W	NA11655W	IA1196SU
Sample 10 Date	05/12/90	05/15/90	05/15/90	05/10/90	06/01/ 9:
Analytes					
Senivolatiles	, 21.0	< 21.0	4 21.0	< 21.0	< 21.0
Diisopropyi Methylphosphomice (wuns)		, D. 186	< 0.156	< 0.188	< 0.188
Dimethylmethyl Phosphorate	. 136 . 136	230	<u>81</u> >	ot1 >	× 130
Dimethylmethyl Phosphorate (MJPS)	***	×1.×	×1.3	× 1.34	×1.34
Dithiere (GDKS)	< 3.30	< 3.30	< 3.30	< 3.30	< 3.30
		< 0.0500	< 0.0500	< 0.0500	< 0.0500
Endrin	18.0	× 16.0	· 18.0	< 18.0	< 18.0
Endrin (GDS)	0.0680	× 0.0480	< 0.0480	~	< 0.0480
Nexacht orocycl opent act ene	0.75.	. X	× 54.0	• X: •	6.35°
Beachtorocyctopentagrene (was) Isodrin	< 0.0510	< 0.0510	< 0.0510	< 0.0510	0.0510
	× 7.85	× 7.80	× 7.80	< 7.80	< 7.80
godrin (GDS)	< 0.373	< 0.373	< 0.373	< 0.373	< 0.373
Helethics	\$ 21.0	< 21.0	< 21.0	< 21.0	< 21.0
Melatrica (acrs)	799° >	· 0.647	< 0.647	< 0.647	< 0.647
Parathion Parathion (GDS)	< 37.0	< 37.0	< 37.0	< 37.0	< 37.0
	6.0 ×	< 9.10	< 9.10	c 9.10	< 9.10
Pertechioropheriol (MAS)	× 0.787	< 0.787	× 0.787	< 0.787	< 0.787
and a	2	< 19.0	< 19.0	< 19.0	< 19. 0
Supore (GDS)	× 0.384	< 0.384	< 0.364	< 0.384	< 0.384
!					

Notes: Values are reported in micrograms per liter.

-- indicates that the target analyte was not detected at Reported values are accurate to three significant figures.

> -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.

above the Naximum Reporting Limit. MA -- Not Analyzed.

-- Data did not meet quality control criteria and were

Table Cf Surface-Mater investigative Analytical Data

•	W11615W	HA1178SH	MA11795W	NA11855V	HA119654
Sample 10	05/15/90	05/15/90	05/15/90	05/10/90	06/01/90
j					
Analytes					
Semivolatiles Vapona (GDKS)	< 8.50	< 8.50	· 8.50	< 8.50°	< 8.50
:					
Voluties	× 0.760	< 0.760	< 0.760	× 0.760	• 0.760
1,1,1-Trichloroethane	8	· 1.00	· 1.00	· 1.00	. 1.00
1,1,1-Trichloroethane (GCRS)	0.70	< 0.780	< 0.780	< 0.780	< 0.780
1,1,2-Trichlorethan	8.1	× 1.00	× 1.00	. 1.00	× 1.00
1, t,2-Irichloroethere (uchs)	< 0.75.	< 0.730	< 0.730	< 0.750	< 0.730
1,1°01Chlorechans					
	× 1.90	. 1.00	4 1.00	. 1.00	. 1.8
1,1-91chtofoethers technol	₽.I.>	5.1.5	× 1.70	۰1.2	× 1.78
1, 1-bicht orbethere	× 1.8	× 1.00	× 1.00	. 1.00	× 1.00
1,1-bichioroethere (4Jhs)	< 1.10	< 1.10	< 1.10	< 1.10	< 1.10
1,2-0 ch or or or or or or or or or or or or or	× 1.00	· 1.00	< 1.00	· 1.00	· 1.00
	0.760	< 0.760	< 0.760	< 0.760	< 0.760
1,2-michiorogrammes (cis e tiens)	< 5.00	< 5.00	< 5.00	× 5.00	< 2.00 < 2.00
nieroethenes (cus a tr	, 1.65	< 1.05	< 1.05	. 1.05	× 1.05
Fersons	8	× 1.00	. 1.00	4.1.80	. 1.00
Benzene (GDS)	× 0.990	< 0.990	< 0.990	× 0.990	· 0.990
בפונטו ובנופטות ותב					
	· 1.00	1.00	< 1.00	× 1.00	· 1.00
Carbon letrachioride (sura)	< 0.820	< 0.820	< 0.620	< 0.8 20	< 0.820 ×
	· 1.00	· 1.00	· 1.00	· 1.00	* 1.00
Chioropenzene (suns)					

> -- indicates that the target analyte was detected at or

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^{.-} indicates that the target analyte was not detected at or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

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Sample 10	MA11615W	MA117854	WA1179SW	MA118554	MA1196SW
Date	05/15/90	05/15/90	05/15/90	05/10/90	06/01/30
Analytes					
Volatiles	1				
Chloroform	< 0.500	< 0.500	< 0.500	0.500	< 0.500
Chloroform (GCMS)	< 1.00	< 1.00	< 1.00	4 1.00	· 1.00
Dibramochloropropene	< 0.195	~ 0.1%	< 0.195	< 0.195	< 0.195
Dibramochloraprapene (GDIS)	< 12.0	< 12.0	< 12.0	< 12.0	< 12.0
Dimethyl Disulfide	< 0.550	< 0.550	< 0.550	< 0.550 ·	< 0.550
Ethyl Benzene	< 1.37	< 1.37	< 1.37	< 1.37	< 1.37
Ethyl Benzene (GDIS)	< 1.00	< 1.00	< 1.00	× 1.00	× 1.00
H-Xylene .	< 1.32	ć 1.32	< 1.22	< 1.32	< 1.32
H-Xylene (GOIS)	· 1.90	· 1.60	< 1.00	× 1.00	· 1.00
Nethylene Chloride	< 7.60	× 7.40	c 7.40	c 7.40	07.7 >
Methylene Chloride (SCNS)	< 1.00	4 1.80	× 1.00	6.1.8	× 1.8
Hethyl isobutyl Ketone	06.4 >	6.7 ×	96.4 ×	•	o6.4 ×
Hethylisobutyl Ketone (GDIS)	< 1.40	< 1.40	< 1.40	< 1.40	< 1.40
O,P-Xylene	× 1.36	< 1.36	< 1.36	· 1.36	< 1.36
0,P-Xytene (GDS)	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00
Teirachloroethene	· 0.750	· 0.730	6.750	0.730	· 0.750
Tetrachloroethene (GCMS)	. 1.00	< 1.00	< 1.00	. 1.00	. 1.00
Toluene	< 1.47	< 1.67	< 1.47	< 1.67	< 1.47
Toluene (GDIS)	. 1.00	× 1.00	· 1.00	× 1.00	. 1.00

Notes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

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or above the Certified Reporting Limit.

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Table C1 Surface-Mater Investigative Analytical Data

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HA1179SU HA1165SU MA1196SU 05/15/90 05/10/90 06/01/90	 60.560 60.560 1.00 12.0 12.0 12.0
MA1178SU 05/15/90	< 0.560 < 1.00 < 12.0
94,11615W 05/15/90	< 0.560 < 1.00 < 12.0
Sample 10 Date	Analytes Volatiles Trichloroethene Trichloroethene (GDNS) Vinyl Chloride (GDNS)

Values are reported in micrograms per liter. Notes:

Reported values are accurate to three significant figures.

⁻⁻ indicates that the target analyte was not detected at

⁻⁻ indicates that the target analyte was detected at or above the Maximum Reporting Limit. or above the Certified Reporting Limit.

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Sample 10	NAT19733 06/01/90	3 8

Analytes

2.82	¢ 6.78	00265	00095	< 16.8	8.81 >		906	< 43.6	12600	< 0.100	2300	3600	24000	130000	2003	× 18.0		S.1.	< 2.80
Metals/Anions/General Chem			4:25	Chromium		# P P P P P P P P P P P P P P P P P P P		1	Regnesium		mirrite Mitrate Mor-Specific	Potrestium	Sodius	Sulfate	Total Organic Carbox.	Zinc	Pheno!	2 % 6-Trichtorophenol (GCMS)	2,4,5-Trichlorophenol (GDIS)

Values are reported in micrograms per liter. Notes:

-- indicates that the target analyte was not detected at Reported values are accurate to three significant figures.

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

-- Data did not meet quality control criteria and were MA -- Mot Analyzed. P. -- Data did not m

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11 - Jan- 2	HA11975W	
of position	06/10/90	
מפרכ		
Analytes		
Phenols	U7 E .	
2,4,6-Trichtorophenol (GCMS)	97.0	
2 4-Dichtorophenol (GCMS)	07.8°	
2 Lineshviahenol (GDS)	07.7	
2 (-Dinitrophenol (GCMS)	× 176	
2,4 2 miles (CMS)	< 2.80	
Company to the control of the contro		
	> 3.60	
SHOOT TO SHOUT TO SHOOT TO SHOOT TO SHOOT TO SHOT TO SHOUT TO SHOUT TO SHOT TO SHOUT TO SHOOT TO SHOUT TO SHOUT TO SHOT TO SHOUT TO SHOOT	× 8.20	
(SHCD) (compared to the control of t	< 8.50	
	< 2.80	
4-Weith (present (GOMS)	o - 96 ·	
Phenol (GCNS)	< 2.20	
Semivolatiles	# C /	
1, 4-Oxathiane	8 5 7	
1,4-0xathiane (GOIS)	0.72 >	
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (00)	18.0	
2.2-8is(parachlorophenyl)-1,1,1-Trichloroethane (UVI) (Mcn3)		
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE)	< 0.0540	
Constitution of the contract o	< 14.0	
2,2-815(paramino dana) (1) (1)	< 5.69	
4-Chioropherylmethyl Sulfide (604S)	< 10.0	

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

Reported values are accounted to the second of the second detected at < -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit. $$\cdot$$ -- indicates that the target analyte was detected at or

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rejected.

Sample ID Date	HA119754 06/01/90
Semivolatiles	
6-Chlorophenylmethyl Sulfane	< 7.46
4-Chlorophenyimethyl Sulfone (GCMS)	< 5.30
4-Chlorophenylmethyl Sulfoxide	< 11.5
6-Chlorophenylmethyl Sulfoxide (GCNS)	< 15.0
Aldrin	•
Aldrin (GDIS)	< 13.0
Atrazine	< 4.03
Atrazine (GCMS)	< 5.90
Benzothiazole	< 5.00
Bicyclo [2,2,1] hepta-2,5-diene	< 5.90
8is (2-Ethylhexyl) Phthalate (GCMS)	× 7.70
Caprolactam (GDIS)	< 10.0
Chlordene	< 0.0950
Chlordene (GDIS)	< 37.0
Dicyclopentadiene	< 5.00
Dicyclopentadiene (GOMS)	< 5.50
Dieldrin	< 0.0500
Dieldrin (GDS)	< 26.0
Diisapropyl Methylphosphonate	< 0.392

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HA1197SW	06/01/90
Sample 1D	Date

4. 7

Analytes:

Semi volatiles

Di saprapyl Methylphosphamate (GCMS)	< 21.0
Direthylmethyl Phosphonate	< 0.188
Dimethylmethyl Phosphonate (GCMS)	< 130
Di' 'me	×1.3%
Dithiane (GCMS)	< 3.30
Endrin	× 0.0500
Endrin (GONS)	< 18.0
Mexach lorocyclopentadiene	< 0.0480
Nexachlorocyclopentadiene (GCMS)	° 54.0
Isodrin	< 0.0510
Isodrin (GDIS)	< 7.80
Malathion	< 0.373
Malathion (GCMS)	< 21.0
Parathion	< 0.647
Parathion (GDKS)	< 37.0
Pentachlorophenol (GCHS)	< 9.10
Support	< 0.787
Supona (604S)	< 19.0
Vapona	< 0.384

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Sample 10	HA11975W
Date	06/01/90
Analytes	
Semi wal at il last	
	95 8 .
Vapona (GCPS)	R. 0
Volatiles	
1, 1, 1-Trick oroeshane	< 0.760
1,1,1-Trich(proethane (GONS)	. 1.00
1, 1, 2-Trichloroethane	· 0.780
1,1,2-Trichloroethane (GDIS)	× 1.00
1, 1-Dichlorcethane	< 0.730
1,1-Dichloroethane (GDIS)	. 1.00
1,1-Dichlorcethene	s.1.3
1,1-Dichloroethene (GCMS)	· 1.00
1,2-Dichlorcethane	× 1.10
1,2-Dichloroethame (GCMS)	· 1.00
1. Nicki personal homes (prime)	< 0.769
1 2-bichlocoethome (ris & trans) (608)	< 5.00
	· 1.05
Remove (60.5)	< 1.00
Carbon Tetrachleride	< 0.990
	8
Carbon Tetrachloride (GDNS)	8
Chlorobenzene	0.820
Chlorobenzere (GCMS)	• 1.00

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NA11975W	06/01/90
Sample 10	Date

Analytes

Votatiles

× 0.500	< 1.00	< 0.195	< 12.0	< 0.550	< 1.37	× 1.00	< 1.32	< 1.30	< 7.40	× 1.00	× 4.90	< 1.40	× 1.36	< 2.00	· 0.750	00.1 >	< 1.47	× 1.00
Chloroform	Chloroform (GCMS)	Dibrowachloroprapane	Dibromochloropropane (GCMS)	Dimethyl Disulfide	Ethyl Benzene	Ethyl Benzene (GCMS)	N-Xylene	H-Xylene (GDAS)	Hethylene Chloride	Methylene Chloride (GCMS)	Hethylisobutyl Ketone	Methylisobutyl Ketone (GCMS)	0,P-Xylene	C,P-Xylene (SONS)	Tetrachloroethene	Tetrachloroethene (GCMS)	Toluene	ioluene (GCPS)

Motes: Values are reported in micrograms per liter.

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HA119754 06/01/90

Sample 10 Date

	< 0.560	× 1.00	< 12.0
		(Sins)	(36)
Analytes	Volatiles	Trichloroethere (COMS)	Viny Chloride (GDS)

Vinyl Chloride (GDIS)

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per liter.

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- -- Data did not meet quality control criteria and were MA -- Not Analyzed. R -- Data did not M

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 - KA -- Not Analyzed.
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Sample 10	HA1190SU	HA1191SW	
Date	05/10/90	06/10/90	
	GC/HS OF	GC/MS OF	
	WA1185SW	HA1196SU	
Analytes			
Semivolatiles			
4-Chlorophenylmethyl Sulfone (GDMS)	< 5.30	< 5.30	
4-Chlorocherylmethyl Sulfoxide (GCMS)	< 15.0	< 15.0	
Aldrin (GCNS)	< 13.0	< 13.0	
Atrazine (GDIS)	< 5.90	< 5.90	
Bis (2-Ethylhexyl) Phthalate (GCMS)	S.7.>	< 7.7c	
Caprol act am (GCMS)	× 10.0	. 10.0	
Chlordare (60%)	< 37.0	< 37.0	
Dicyclopentadiene (GOIS)	< 5.50	< 5.50	
Dieldrin (GDRS)	< 26.0	6.92 ×	
Diisopropyl Methylphosphamee (GCMS)	< 21.0	< 21.0	
Dimethy(methy) Phosphonate (GDIS)	× 130	< 130	
Dithiane (GOIS)	< 3.30	< 3.30	
Endrin (GOIS)	< 18.0	< 18.0	
Mexachlorocyclopentadiene (GDMS)	< 54.0	° 54.0	
Isodrin (GCMS)	< 7.80	< 7.80	
is achion (BOIS)	< 21.0	< 21.0	
Parathion (GOIS)	< 37.0	< 37.0	

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<u> </u>	HA1190SW	HA119154	
	05/10/90	06/01/90	
	GC/HS OF	GC/NS OF	
	HATTESSU	HA11965W	
Analytes	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Semivolatiles			
para schi promberni (CDS)	< 9.10	< 9.10	
	< 19.0	< 19.0	
(SMS) Fronti	< 8.50	< 8.50	
Valuation (sector)			
Voletiles			
1 1 1.Trich! prosthere (GDS)	· 1.00	× 1.00	
College and the college of the colle	< 1.00	. 1.00	
	× 1.00	× 1.06	
1, 1-Dichical definition (Chris)	• 1.00	. 1.00	
	× 1.00	· 1.00	
(continued of the continued of the conti			
· 2 Pick becambed (rie 1 tracs) (5005)	< 5.00	< 5.00	
	× 1.00	< 1.00	
Benzere (aux.)	< 1.00	· 1.00	
Larbon letrachion for tours?	× 1.00	< 1.00	
רוו(סומסוקטוב (מיציי)	< 1.00	< 1.00	
Chloroford (GCA)			
(SECT) enterpresent in the section (SECT)	< 12.0	< 12.0	
	< 1.00	· 1.00	
Ethyl Berzene (Burs)	< 1.00	· 1.00	
H-Aylone (GLAS)	× 1.00	· 1.00	
Rethylene Unioride (Guns)			

Reported values are accurate to three significant figures.

- $\mbox{\ensuremath{\ensuremath{\mbox{\ensuremath{\ensuremath{\mbox{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath{\ensuremath}\ensuremath{\ensuremath{\ensuremath}\ensuremat$
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
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rejected.

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Sample 10	HA1190SU	. HA119154	
Bate	05/10/90	06/01/90	
	GC/NS OF	CC/NS OF	
	MA116554	HA1196SU	
Analytes			
Volatiles			
Methylisabutyl Ketone (6045)	< 1.40	· 1.40	
O.P-tViene (GOS)	< 2.00	< 2.00	
Tetrachloroethene (GORS)	< 1.00	· 1.00	
Toluene (GDIS)	· 1.00	. 1.00	
Trichloroethene (GDNS)	× 1.00	< 1.00	
Vinyl Chloride (GCMS)	< 12.0	< 12.0	

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R -- Data did not meet quality control criteria and were

	MA11895U	HA11625U	
Sample 10	05/10/90	06/10/90	
Date	Dup of	bup of	
	MAT185SU	NA11965W	
Analytes			
Metals/Anions/General Chem			
	< 2.35	< 2.35	
	× 6.78	× 6.78	
	63000	58700	
Catchum	00067	24000	
י יין פרוסדים יי	× 16.8	c 16.8	
Chromium			
Connec	< 18.8	× 18.8	
41114	•	~	
	1030	206	
	4.63.4	< 43.4	
	14000	12600	
Magnesium	}		
	0.538	< 0.100	
merchaly mississ Missass Mon-Specific	1800	2200	
שונונפי שונופיע יידו היידי	297	4430	
Potession	9	23000	
Sodium	120000	000021	
Sulfate	nanci	2005	
	0006	2000	
Total Organic Carbon		< 18.0	
2 inc			

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or above the Certified Reporting Limit.

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a class	WATTBOSH	M. 11625W	
· or archive	05/10/90	06/10/90	
Date	yo dha	ports of	
	MA1185SU	HA11965W	
Analytes			
Dhanni e			
2 2 4.Tricklorechanol (GPIS)	S.T.	ć.1.20	
C.5.0** Care of the contract	< 2.₺	< 2.80	
2.4.4-Teichlorophana (CDS)	< 3.60	< 3.60	
2 4 - Sight acompany (COMS)	8.4 0	× 8.40	
2,4-Diee:hytphenot (GDS)	07.4 >	07.7 >	
	< 176	< 176	
2,4-Dinitrophenol (GLAS)	< 2.80	< 2.80	
2-Chlorophenol (GDS)	09.5 >	< 3.60	
2-Hethylphenol (GDIS)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8.8	
2-Hitrophenol (GDMS)		93 0	
3-Methyl-4-Chlorophenol (GCMS)	R. ••	05.6 ×	
SHAD I SHAD I SHAD	< 2.80	< 2.80	
4-Weinyiphenol (ones)	× 96.0	• 96. 0	
Phenol (COS)	< 2.20	< 2.20	
Serivolatiles	< 2.38	< 2.38	
	< 27.0	< 27.0	
1,4-Oxacolemne (wars)	< 0.0490	< 0.0490	
2,2-Bis(parachlorophenyl)-1,1-Trichloroethame (DDI) (GCNS)	· 18.0	< 18.0	

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Sample 10	MA11895W	HA11625W	
Date	05/10/90 Dup of	06/01/90 Dup of	
	HA1185SH	HA1196SU	
Aralytes			
Semivolatiles	< 0.0540	< 0.0540	
2, 2-bis(per autro density); ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	< 14.0	< 14.0	
C.C. Belgins science design of the	< 5.69	< 5.69	
A-Unior upaneily metaly control of fight (CDIS)	< 10.0	< 10.0	
4-Chlorophenylmethyl Sulfone	× 7.46	> 7.46	
(SEE) and below in the second	< 5.30	< 5,30	
4-Linter quincing time ting to the control of the c	< 11.5	< 11.5	
4-Uniordynesty imenity and tonical	< 15.0	< 15.0	
	< 0.0500	•	
Aldrin Aldrin (60%)	< 13.0	< 13.0	
	× 4.03	5X.4	
Atfazine	< 5.90	< 5.90	
Atrazine (GAS)	· 5 00	< 5.00	
Benzothi azole	· 5.90	< 5.90	
Bicyclo (2,2,1) replace, or consequence (60%)	6.7.7	× 7.70	
Topic of the second of the sec	< 10.0	< 10.0	
Caprotactal (suns)	< 0.0950	0.0950	

Reported values are accurate to three significant figures. Motes: Values are reported in micrograms per liter.

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NA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

Sample 10 Date	MA11895SJ 05/10/90 Dup of MA1185SJ	HA1162SU 06/01/90 • Dup of MA1196SU	
Analytes			
Semivolatiles	< 37.0	< 37.0	
Chlordane (GORS)	· 5.00	< 5.00	
picycl opentagione	< 5.50	< 5.50	
Dicyclopentagiane (uchs)	< 0.0500	< 0.9500	
Dieldrin Dieldrin (GDKS)	< 26:0	< 26.0	
	< 0.392	< 0.392	
Disopropyl Nethylphosphoners	< 21.0	< 21.0	
Diisopropyl Nethylphodamate (acres)	< 0.188	< 0.188	
Dimethylmethyl Phosphormic	× 130	× 130	
Distribute that the spreament comments to the spreament of the spreament o	× 1.34	×1.34	
	< 3.30	< 3.30	
Dithiane (GDIS)	< 0.0500	< 0.0500	
Endrin	× 18.0	< 16.0	
Endrin (GDIS)	~	< 0.0480	
Nexachlorocyclopentadiene Nexachlorocyclopentadiene (GDMS)	< 5k.0	°.35.	
	< 0.0510	< 0.0510	
Isodrin	< 7.80	< 7.80	
Isodrin (GDIS)			

Reported values are accurate to three significant figures. Values are reported in micrograms per liter. Notes:

> -- indicates that the target analyte was detected at or

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⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

NA11625W	06/01/90	pop of	MA1196SIJ
NA118954	05/10/90	po on	IA118554
•	2		
	sample 10	Jate	

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National Seminoral Semin			
 < 21.0 < 0.667 < 37.0 < 9.10 < 0.787 < 19.0 < 0.364 < 19.0 < 0.364 < 0.364 < 0.364 < 0.364 < 0.364 < 0.366 < 1.00 		< 0.373	< 0.373
 < 0.647 < 37.0 < 9.10 < 0.787 < 19.0 < 0.364 < 19.0 < 0.364 < 0.760 < 1.00 		< 21.0	< 21.0
<pre></pre>		× 0.647	< 0.647
<pre></pre>		< 37.0	< 37.0
Contract Contract	phenol (GDIS)	× 9.10	< 9.10
 19.0 19.0 19.0 19.0 10.364 10.0 		× 0.787	< 0.787
 c 0.364 c 0.364 c 0.760 c 0.760 c 0.780 c 0.780 c 0.790 c o.700 c o.730 /ul>	•	< 19.0	< 19.0
coethane < 0.760	â	< 0.384	< 0.384
coethane < 0.760		× 8.50	8.50
(GOIS) < 0.760 < 1.00 < 0.70 < 0.70 < 1.00 < 1.			
(GDIS) < 1.00 < 1.00 (GDIS) < 0.730 < 1.00 OURS) < 1.00 < 1.00 < 1.00 OURS) < 1.00 OURS) < 1.00 OURS)		0% 0 %	< 0.760
 6.780 1.00 1.00 1.00 1.00 1.00 	loroethane		4 1.00
(6015) < 1.00 < 1.00 OIS) < 1.00 < 1.00 < 1.00 < 1.00 < 1.00	coethane (GDIS)	062.0 >	< 0.780
0.7301.001.001.00	il oroethane	< 1.00	. 1.00
41.001.701.00	socialisms (acres)	× 0.730	< 0.730
1.701.00		× 1.00	× 1.00
< 1.00	roethane (arra)	6.1.70	× 1.70
	roe(nere coepase (GMS)	< 1.00	< 1.00

Values are reported in micrograms per liter. Notes:

Reported values are accurate to three significant figures.

- $\boldsymbol{\varsigma} \rightarrow i \boldsymbol{r} \boldsymbol{M} i \boldsymbol{\zeta} a test that the target analyte was not detected at$
 - > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit. above the Maximum Reporting Limit.
- MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

C. 4 1000	HA1189SU	NA1162SU	
	05/10/90	06/01/90	
	Dup of	bup of	
	WA1185SW	#A119654	
Analytes			
Volatiles			
1 2-Bichloroethane	< 1.10	· 1.10	
1 2-Dichlomethane (COIS)	× 1.00	. 1.00	
1 2-Dichlorostheres (cis & trans)	× 0.760	< 0.760	
1 2-Dichloroetheres (cis & trans) (GOES)	< 5.00	< 5.00	
Benzene	· 1.05	< 1.05	
	. 5	8	
feature (60K)	9:	3	
Carton Tetrachloride	× 0.990	× 0.990	
Carbon Tetrachloride (GDS)	· 1.00	. 1.00	
	< 0.820	< 0.820	
This cohentains (ETES)	× 1.00	< 1.00	
	< 0.500	< 0.500	
Chloreform (GTBS)	× 1.00	· 1.00	
Difference of community	, 0.195	< 0.195	
Difference of constraints (CTIS)	< 12.0	< 12.0	
Dimethyl Disulfide	< 0.550	< 0.550	
	< 1.37	< 1.37	
Ethyl Benzene	5		
Ethyl Benzene (GCMS)		<u>.</u>	

Notes: Values are reported in micrograms per liter. Reported values are accurate to three significant figures.

c -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit. > \cdots indicates that the target analyte was detected at or

KA -- Not Analyzed.

above the Maximum Reporting Limit.

R -- Data did not meet quality control criteria and were

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Sample 10	
Date	65/10/90
	Dup of
	WA11855W
Analytes	•
Volatiles	< 1.32
T-Xy core	. 1.00
H-Aylone (dus)	05.7 >
Methylane Chicaide (GDS)	. 1.00
section is about the contract of the contract	•
Marky jacknown (COM)	< 1.43
	× 1.36
	< 2.00
יייייייייייייייייייייייייייייייייייייי	< 0.750
	· 1.00
Tetrachiordemene (Burb)	
# - 1	< 1.47
	. 1.00
Tollucine (BLAS)	095 0 >
Trichloroethene	8
Trichtoroethene (GUS)	8.
Vinyl Chloride (GDIS)	< 12.0
•	

4 1.00

< 7.40 1.004.90 < 0.750

< 1.40 × 1.36 < 2.00 • 1.00

< 0.560 × 1.8

× 1.00

× 1.47

Motes: Values are reported in micrograms per liter.

⁻⁻ indicates that the target analyte was not detected at Reported values are accurate to three significant figures. or above the Certified Reporting Limit.

⁻⁻ indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

NA11625U 06/01/90 Dup of

IIA11895W	05/10/90	Dup of	NA11855U
Sample 10	Date		

Amelytes

Motes: Values are reported in micrograms per liter.

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target amalyte was detected at or above the Maximum Reporting Limit.
- MA -- Not Analyzeu.
- R -- Data did not meet quality control criteria and were

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Appendix D

STREAM-BOTTOM SEDIMENT ANALYTICAL DATA

LIST OF TABLES

D1 Stream-Bottom Sediment Investigative Analytical Data D2 Stream-Bottom Sediment GC/MS Analytical Data D3 Stream-Bottom Sediment Duplicate Analytical Data

20000,350.10 - RIA 0731112691

Table D1 Stream-Bottom Sediment Investigative Analytical Data

		200	300766	MANOZASE	
il elemen	IM0972SE	75 TANK	HAUY (35C		
	200	15 GB	₹	5	
Depth	11.11.00	11/14/88	11/14/86	11/14/88	
Date			•		
Analytes					
Hetals/Anions/General Chem		£ +	3.27	2.48	
Arsenic	7.0 7.0	926	< 0.740	< 0.740	
Cochium	3 5	56.03	· 6.50	· 6.50	
Chronium	277	10.1	6.16	R.4 ^	
Copper	¥	4	ş	1	
Cyanion	•	7 70	97.8	6.40	
Pead	0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	0.0500	< 0.0500	· 0.0500	
Mercury		1	\$	S	
Total Organic Carbon	11.8 11.8	45.9	26.3	× 8.70	
Zinc					
Sami vol at i i es	i	2	7 1 %	< 1.76	
1 A-fleathigne	× 1.%			V	
	v €.300	· 0.300	× 0.300	0.3CB	
1,4-Okathiane (GUS)	< 0.00200	0.0222	< 0.00200 ×	< 0.00200 <	
2,2-Bis(parachlorophenyl)-1,1,1-iricalonocames (2017)	0.50	× 0.500	< 0.500	< 0.500 <	
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroetame (BDI) (WDS)	07C0	< 0.00240	< 0.00240	< 0.00240	
2,2-Bis(parachlorophenyl)-1,1-Dickloroethene (BDE)	0.000				
CALLEY CAMPA and American Street Control of the Calley Calley Control of the Calley Ca	09.0 >	009"0 >	× 0.600	009"0 >	
2,2-8is(parachlorophenyl)-i, I-Bichloroethene (www.)	97 7 7	07°	07.7 >	07.4 >	
4-Chlorophenylaethyl Suffide	0.900	· 0.900	< 0.900	× 0.900	
4-Chloropheny(methy! Sutfide (GUR)					

< -- indicates that the target analyte was not detected at Reported values are accurate to three significant figures.

or above the Certified Reporting Limit.
> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

	327.60MI	HA0974SE	MA0975SE	MAD976SE
	5	15 08	15 ca	15 ca
Depth	11/11/18	11/14/68	11/14/88	11/14/88
Date				
Caminal and Land				
Commission landby Colfore	< 9.01	< 9.01	< 9.01	< 9.01
-	< 0.300	< 0.300	< 0.300	< 0.300
	· 4.81	< 4.81	< 4.81	× 4.81
	< 0.300	< 0.300	< 0.300	< 0.300
Aldrin	< 0.00190	0.00391	0.0120	< 0.00190
	0.300	< 0.300	< 0.300	< 0.300
Aldrin (GDS)	4	1	1	ĭ
ACTACINE	× 0.300	< 0.300	< 0.300	< 0.300
Africant (GUS)	< 2.06	< 2.04	< 2.0%	4 2.04
Bicyclo (2,2,1) hepta-2,5-diene	1	1	ĭ	ī
	93. E >	\$	1	\$
Bicyclo [2,2,1] Nepta-2,5-diene (WJA)	0.020	< 0.0230	< 0.0230	< 0.0230
Chlordine	× 2.00	< 2.00	< 2.00	< 2.00
Chlordine (60%)	1	1	\$	1
Dicyclopentations (40%)	0,99.0 >	4 1.00	• 1.00	· 1.00
	0.370	0.0277	9920.0	< 0.0~330
Dieldrin (COS)	◆ 0.300	· 6.300	< 0.300	< 0.300

Reported values are accurate to three significant figures. Values are reported in micrograms per gram. Hotes:

-- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target anathre was detected at or above the Maximum Reporting Limit.

MA \sim Not Analyzed. Rect quality control criteria and were R \sim Data did not meet quality control d.

Table 01 Stream-Bottom Sediment Investigative Analytical Data

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Sample 10 Depth Date Analytes	5 cm 11/11/88	11/14/88	15 cm 15 cm 11/14/88	15 cm
Semivolatiles Diisopropyl Nethylphosphonate Diisopropyl Nethylphosphonate (GCMS) Dimethylmeinyl Phosphonate Dithiane (GCMS)	< 0.0500 < 1.00 < 0.0500 < 1.45 < 0.400	0.05001.000.05001.450.400	< 0.0500 < 1.00 < 0.0500 < 1.45 < 0.400	< 0.0500 < 1.00 < 0.0500 < 1.45 < 0.400
Endrin Endrin (GDIS) Nexachlorocyclopentadiene Nexachlorocyclopentadiene (GDIS)	< 0.00580 < 0.500 < 0.00180 < 0.600 < 0.00110	0.005800.5000.001800.6000.00110	0.00743 < 0.500 < 0.00180 < 0.600	0.005800.5000.001800.6000.6000.601
laodrin (GDS) Malathion Malathion (GOIS) Perathion Parathion (GOIS)	< 0.300 ISA < 0.700 ISA < 0.900	< 0.300 × MA × 0.900 × 0.900	0.300IIA0.700IA0.900	6.30018A6.0.70018A18A1900
Supone (2015)	M + 0.600	× 0.600	009°0 >	M

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target amplyte was detected at or above the Maximan Reporting Limit.
 - MA -- Hot Analyzed.

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R -- Data did not meet quality control criteria and were rejected.

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Table D1 Stream-Bottom Sediment Investigative Analytical Data

Sapte 10	35.790MII	15 CB	MAD975SE 15 CR	15 cm
Depth Date	11/11/88	11/14/88	11/14/88	11/14/88
Analytes				
Semivolatiles	3	1	\$	\$
Vapone (GCHS)	< 3.00	< 3.00	< 3.00	< 3.00
Volatiles	00000	0,000	< 0.0880	× 0.0680
1,1,1-Trichloroethane	957 6 7	1	≦	1
1,1,1-Trichloroethane (GDIS)	0 260	< 0.260	< 0.260	< 0.260
1,1,2-Trickloroethane	00.	≤	≦	≦
1,1,2-Trichloroethare (GDS) 1,1-Dichloroethare	× 0.0740	< 0.0740	< 0.0746 ·	0.0740
	£	S	≦	1
1,1-bichleroethene (GDIS)	97.	× 0.240	< 0.240	< 0.240
1,1-Dichloroethene	· 0.0650	< 0.0650	< 0.0650	< 0.0650
	< 0.560	≦	¥	1
1,2-Dichloroethene (GDMS) 1,2-Dichloroethenes (cis & trams)	6.260	< 0.250	· 0.260	• 0.260
	R	1	\$	1
1,2-gicklorosthenes (cis & trans) (GDS)	1	1	1	£
bentane	× 0.20	ī	1	≦
Penzone (GXIS)	< 0.120	< 0.120	< 0.120	< 0.120
Carton Tetrachloride Carton Tetrachloride (GCMS)	< 0.250	1	ĭ	≦

Notes: Values are reported in micrograms per gram.
Reported values are accurate to three significant figures.
< -- indicates that the target analyte was not detected at

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c. Indicates that the target analyte was detected at or indicates that the target analyte was detected at or

above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table D1 Stream-Bottom Sediment Investigative Analytical Data

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	SZZZZE	HA0974SE	HA0975SE	MA0976SE
	8 8	15 cm	15 cm	15 CB
Date	11/11/88	11/14/88	11/14/88	11/14/88
Analytes				
Volerilae	,			
Chlorobactera	< 0°300	< 0. 200	< 0.200	< 0.200
Childrentersone (CDIS)	. 1.S	4	ī	¥
Chlorofora	× 6.0680	< 0.0680	0.0680	0.0680
Thioryton (COS)	< 0.290	4	\$	ş
0 ibromochloropropene	< 0.60500	< 0.00500	< 0.00500	< 0.00500
(SES)	< 2.40	< 0.300	< 0.300	< 0.300
District of the	< 3.12	< 3.12	< 3.12	< 3.12
Diseated Disaffide (ECMS)	× 20.0	≦	5	ī
Ethyl Bergere	1	≦	4	≨
Ethyl Denzene (GDNS)	< 0.380	\$	5	≦
	1	1	¥	1
H. M. James (CTMS)	< 0.740	ĭ	á	1
Methylene Chloride	× 3.70	< 3.70	< 3.70	× 3.70
Hethylene Chloride (GOIS)	4 1.50	ž	\$	1
Nethyliabutyl Ketone	\$	≦	á	ī
Backed (adustry) (etrare (GDIS)	< 0.730	ž	1	1
O,P-Xylene	\$	ĭ	≦	¥

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

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Table D1 Stream-Bottom Sediment Investigative Analytical Data

Sample ID Depth Date Amalytes	MA0972SE 5 cm 11/11/88	MA0974 SE 15 cm 11/14/88	11/14/88	11/14/88
Volatiles O, P-xylene (GORS) Tetrachloroethere Tetrachloroethere (GORS) Toluene Toluene (GORS)	05.0 >	NA 6 0.270 NA NA NA NA NA NA NA NA NA NA NA NA NA	AN AN AN AN AN AN AN AN AN AN AN AN AN A	4 0.270 MA MA
Trichloroethene Trichloroethene (GDIS)	< 0.140 < 0.540 × 0.540	. 07170 >	< 0.140 × ms	< 0.140 × IIA IIA IIA

Motes: Valu,3 are reported in micrograms per gram.

Reported values are accurate to three significant figures. < -- indicates that the target analyte was not detected at

c -- indicates that use target manife mass not considered as above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

 $\mbox{MA} \mbox{ ---} \mbox{Mot Analyzed.}$ R $\mbox{ ---} \mbox{ Data did not meet quality control criteria and were$

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Table D1 Stream-Bottom Sediment Investigative Analytical Data

8 HA1155SE 15 CB HA1153SE 8 HA1152SE MAD961SE 0 CM

Sample 10 Depth

Date	11/18/88	05/11/50	05/11/90	05/14/90
Analytes				
Metals/Anions/udneral Litera	63.6	93 7	5	2.5
Arsenic	0.7	6.57		
Cadaium	< 0.740	4.35	R	
Chronica	15.5	30.0	11.7	61.1
Compe	7.90	62.7	9.9	39.7
Cymide	1	e	=	~
1	16.1	131	× 7.44	111
	< 0.0500	1.01	< 0.0500	0.243
Total Oramic Carbon	\$	13000	1010	7180
Zinc	43.6	414	30.7	5%2
Sesivolatiles				
1.4-Oxachiane	× 1.74	. < 1.74	× 1.74	< 1.74
1 4-Drathlane (60%)	< 0.300	< 0.300	< 0.300	< 0.300
2 2-Eis(ner_chlorophenyl)-1.1.1-Trichloroethere (001)	< 0.0100	< 0.00277	< 0.00277	0.00672
2 2-Ris/merachlorophery()-1,1,1-Trichloroethane (DDT) (GDK)	< 0.500	< 0.500	< 0.500	< 0.500
2,2-Bis(parachtorophenyl)-1,1-Dichtoroethene (DDE)	< 0.0120	< 0.00466	< 0.00466	· 0.00466
(SICS) (300) emetheurolitical (-1 legislature (documentario) (-2 c	0.600	0.600	× 0.600	009'0 >
6. Chlorochendustivi Sulfide	× 4.40	07'7 >	07.4 >	05.4 >
4-chlorophenylmethyl sulfide (GOIS)	< 0.900	00.00	00.00	< 0.900

Motes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

-- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

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R -- Data did not meet quality control criteria and were rejected.

	SC1960AN	HA1152SE	HA1153SE	NA1155SE
	6 0	8	15 cm	8 8
	11/18/88	1/90	05/11/50	05/14/90
Aralytes				
Serivolatiles				
A. The continue to the Continu	< 9.01	< 9.01	< 9.01	< 9.01
	< 0.300	< 0.300	< 0.300	< 0.300
	18.4 >	< 4.81	. 4.81	× 4.81
	< 0.300	< 0.300	< 0.300	< 0.300
Aidrin	0.0140	< 0.00211	< 0.00211	< 0.00211
	< 0.300	< 0.300	< 0.300	× 0.300
Attended to the second to the	\$	*	~	
	< 0.300	< 0.300	< 0.300	< 0.300
	~ 2.04	< 2.0¢	· 2.04	< 2.0%
structuratore stcyclo [2,2,1] hepta-2,5-diene	1	< 1.10	< 1.10	· 1.10
Campaigness of the second seco	á	1	≦	\$
Sicyclo Late, and make Late and the second	< 0.115	< 0.0230	< 0.0230 <	0.0374
	< 2.80	< 2.00	< 2.00	< 2.00
	1	< 0.450	× 0.450	< 0.450
Dispendent an energy bis processes bis processes bis processes and the processes by the processes between the processes by the processes between the processes by the processes between the processes by the processes between the processes by the processes between the processes by the processes between the processes by the process	× 1.00	· 1.00	× 1.00	× 1.80
	0.050	0.0126	< 0.00181	< 0.00161
Dieldrin (6015)	< 0.300	< 0.300	< 0.300	< 0.300

Notes: Values are reported in micrograms per gram. Reported values are accurate to three significant figures. < -- indicates that the target analyte was not detected at

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or above the Certified Reporting Limit.
> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Anelyzed.

g ... Data did not meet quality control criteria and were

Table D1 Stream-Bottom Sediment Investigative Analytical Data

:	MA0981SE	HA1152SE	NA1153SE	IIA1155SE
Sample 10	8	5 93	15 cm	8
Depth	11/16/88	05/11/50	05/11/50	05/14/90
Analytes				
Semivolatiles	4	\$	≨	\$
Diisopropyl Wethylphosphormte	× 1.00	* 1.00	× 1.00	• 1.00
Diisopropyl Nethylphosphonike (suns)	≤	ş	¥	ĭ
Dimethylmethyl Phosphormie	< 1.45	< 1.45	< 1.45	< 1.45
Dithiame (GCIS)	007'0 >	007.0 >	< 0.400	00 7 °0 >
	0620 0 >	< 9.00471	< 0.00471	< 0.00471
Endrin	95.0	< 0.500	< 0.500	< 0.500
Endrin (GDIS)	0.0000	< 0.00137	< 0.00137	< 0.00137
Resack oracycl opentadiene	009.0	009'0 >	× 0.600	0.600
Nexachlorocyclopentadiene (GDPS) Jeografia	< 0.00550	< 0.00188	< 0.00188	< 0.00188
	0 - 200 - 200	< 0.300	< 0.300	< 0.300
isodrin (GCIS)	1	~	*	e t
Hatethion	× 0.700	< 0.700	< 0.700	< 0.700
Helathion (GDS)	1	•	~	
Parathim (605)	< 0.900	v 0.900	006-0 >	0.900
	` á	~	•	•
Supore	009'0 >	× 0.600	× 0.600	v 0.600
Suporte (GDS)				

Reported values are accurate to three significant figures. Values are reported in micrograms per gram. Notes:

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

 $MA \ - \ Mot \ Analyzed.$ R -- Data did not meet quality control criteria and were rejected.

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Table D1 Stream-Bottom Sediment Investigative Analytical Data

<u></u>	HA0961SE	MATISZSE	IIA1153SE	MA1155SE
	8	99	15 cm	8 2
Depth	11/18/88	05/11/90	05/11/90	05/14/90
Analytes				
Semivoiatiles	≦	~	æ	€
Vapone (GDS)	< 3.00	< 3.00	< 3.00	× 3.00
2) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		,		96
A to the state of	× 0.0680	907.0 ×	0.000 ×	200
	\$	\$	1	≦
1,1,1-Trichloroethane (acro)	0.260	< 0.330	< 0.330	< 0.330
1, 1, 2-Trichloroethane	2	1	≦	1
1,1,2-Trichloraethane (GDS)	í :	i 8	U07 W >	069°0 ×
1,1-Dichloroethane	4 U.U/40) () () () () () () () () () (1
		1	ž	1
1,1-Dichloroethane (GDS)	× 0.240	< 0.270	< 0.270	< 0.270
1, 1-Dichloroethene	0.0050	< 0.320	< 0.320	< 0.320
	2	3	4	**
1,2-Dichlorvethane (GDB)	i	8		< 0.320
1,2-bichloroethenes (cis & trems)	v 0.200			
	3	1	4	1
1,2-Dichlaroethenes (cis & trans) (GDS)	980	× 0.100	< 0.100	< 0.100 <
Benzene		1	*	3
	£ .	0.316	< 0.310	< 0.310
Carbon Tetrachloride	3 ;	=	**	1
Carbon Tetrachioride (GDIS)	í	í		

Reported values are accurate to three significant figures.

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< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> ... indicates that the target analyte was detected at or above the Maximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were MA -- Not Analyzed. R -- Data did not m

Table D1 Stream-Bottom Sediment Investigative Analytical Data

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Sample 10 Depth Date	0 cm	60 cm 65 cm 05/11/90	15 cm 05/11/90	MA1155SE 50 cm 05/14/90
Analytes				
Volatiles	, 6 200	< 0. 100	< 0.100	< 0.100
Chlorobenzene	1	1	≦	1
Chlorobenzene (GOIS)		< 0.240	< 0.240	< 0.240
Chloroform	1	\$	ĭ	\$
Chloroform (GDKS) Dibromochloropropere	0.240	< 0.00500	0.00662	< 0.00500 >
	U02. U .	< 0.300	< 0.300	< 0.300
pibromochloropropene (GDIS)	5.12	< 3.12	< 3.12	< 3.12
	1	\$	1	≦
Dimethyl Disulfide (GCMS)	091°0 ×	< 0.190	< 0.190	< 0.190 - 0.190
Ethyl Benzene (60%)	1	1	≦	á
	98.0	< 0.230	6.230	< 0.230
H-Xyl ere	1	1	1	*
H-Xylene (GDIS)	i & ",	97.7 >	07.4 >	4.40
Nethylene Chloride	2 1	*	1	¥
Nethylene Chloride (GDS) Nethylisobutyl Ketone	i S	× 0.640	0,640	0.660
	1	4	1	£
Methylisobuty! Ketone (GDMS)	06E-0 >	× 0.780	< 0.780	< 0.780
0,P-Xylene	,	•		

Motes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

<--- indicates that the target analyte was not detected at

<u>.</u>..

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or above the Certified Reporting Limit.

above the Naximus Reporting Limit.

MA -- Not Amelyzed.
R -- Data did not meet quality control criteria and were rejected.

Table D1 Stream-Bottom Sediment Investigative Analytical Data

MANNESSE MATISSE HATISSE HATISSE OCH 15 CM 15 CM 15 CM 11/18/786 05/11/790 05/11/790	*** **** **** **** ***** ***** ***** ****	
Sample ID Depth Date Analytes	Volatiles 0,P-Xylene (GDE) Tetrachloroethene Tetrachloroethene (GDE) Toluene Toluene (GDE)	Trichloroethene Trichloroethene (EDIS) Vinyl Chloride

Values are reported in micrograms per gram. Hotes:

Reported values are accurate to three significant figures.

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< -- indicates that the target analyte was not detected at > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Amlyzed.

R -- Data did not meet quality control criteria and were 7

Table D1 Stream-Bottom Sediment Investigative Analytical Data

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=======================================	IIA1157SE	MAT157SE	MAT159SE	MA1159SE
. Denth	5 8	8 ,	15 ca	4 6
Date	05/16/90	06/14/90	05/16/90	06/14/90
Metals/Anions/General Chem				
- Leaville	< 2.50		3.26	¥
	× 1.20	¥	× 1.20	ĭ
	8.77	\$	6.04	¥
	14.4	3	14.2	\$
Cyanide		1	•	1
1	8.2	1	44.5	1
	0.138	ş	0.0661	≦
Total Deserte Carbon	9517	s	22.20	1
Zine	1.69	ă	ជ	£
Serivolatiles				
1 4-Perethinse	< 1.74	1	× 1.7k	≨
	< 0.300	≦	< 0.300 ·	1
2 2-Bis/nerschlorenbers/1-1.1-1rick(oroethere (DDI)	< 0.00277	≦	0.00500	1
2 2-sistements comband 3-1 1 1-Trickloresthans (BOI) (GOIS)	· 0.500	1	< 0.500	1
2,2-Bis(parachlorophenyl)-1,1-Bichloroethene (DDE)	< 0.00466	≦	< 0.00466	1
2.2. Bis/seest-locations 1-1 1-0 ich crethere (DE) (GDS)	· 0.600	£	009.0 >	1
A Chi annulant author Cal fide	o 7.4 0	ī	07"5 >	¥
4-Chlorophenytaethyl Sulfide (GDIS)	< 0.900	ī	< 0.900	ī

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

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⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table D1 Stream-Bottom Sediment Investigative Analytical Data

Semple 10	30 CB	#A11575E	15 cm	MA1159SE 4 cm
Date	05/16/90	06/14/90	05/16/90	06/14/30
Analytes				
Semivolatiles	< 9.01	ş	< 9.01	¥
4-chloropaenylaethyl sulform	< 0.300	ī	< 0.300	\$
t-Chloropany lactury solitors (entry)	× 4.81	ĭ	< 4.81	¥
4-Catoropadytastnyt surjourne	× 0.300	1	< 0.300	¥
4-Interquentimetry: Surfaction (1995)	< 0.00211	£	< 0.00211	1
	, p.300	1	< 0.300	1
Alorin (eurs)	-	≦	~	1
Atrazine	< 0.300	1	< 0.300	≦
Atrezine (GDS)	< 2.06	1	< 2.06	1
BenzoChiazote Bicyclo [2,2,1] hepta-2,5-diene	× 1.10	4	< 1.10	1
	1	s	£	ş
Bicyclo [2,2,1] hepta-2,5-diene (Wuns)	0.6230	1	0.0733	ĭ
Ch lordene	\$ 2.80	£	< 2.00	≨
Chlordene (GJRS)	057.0 >	1	< 0.450	1
Dicyclopentatione (GDS)	× 1.00	•	6.1.8	£
	< 0.00181	1	0.00624	3
Dieldrin (CDS)	< 0.300	£	< 0.30v	≦

Motes: Values are reported in micrograms per gram.
Reported values are accurate to three significant figures.

.-. indicates that the target analyte was not detected at or above the Certified Reporting Limit.

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- ... indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - IA -- Not Analyzed.
- R -- Data did not meet quality control criteria and were

Table D1 Stream-Bottom Sediment Investigative Analytical Data

	MA11575E	W1157SE	MA1159SE	ILA 1159SE
Sample 10	5	40.4	15 cm	5
Cepth	10 St. A1. A0.	06/11/90	05/16/90	06/14/90
Date				
Analytes	•			
			;	į
	\$	1	á	ş
Diisopropyl Methylphosphonale	8	3	· 1.8	ī
Diisopropyl Nethylphosphomate (GDMS)	3 1	1	¥	¥
Dimethylmethyl Phosphonate	S 9	i 3	< 1.65	¥
Dithiane	6.1	í :	007 0 7	1
Dithiane (GCMS)	007.0 >	š		
	. 0 00471	\$	< 0.00471	≦
Endrin		•	× 0.500	≦
Endrin (60%)	000.0	i	7 0 mit7	≦
	< 0.00137	S		i :
Nexach (order/charlene	× 0.600	≦	° 0.600	S
Nexachlorocyclopentadiene (GJAS)	A D 00158	1	< 0.00188	S
Isodrín				
	902 0 7	3	< 0.300	ī
Lisodrin (GCMS)		1	~	1
Malathion		1	0.700	≦
Helethion (60%)	6.70	1 1		¥
Perathian		i i		1
Parathion (60%)	• 0.900	í		
		1		\$
Supore	9 ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	i s	009.0 >	≤
Suporne (60%)		İ		

Notes: Values are reported in micrograms per gram.
Reported values are accurate to three significant figures.
< -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.
> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

HA -- Hot Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table D1 Stream-Bottom Sediment Investigative Analytical Data

	EA 11575E	IM11575E	MA1159SE	MA1159SE
	5 8	6 4	t5	8 7
Date	05/16/90	06/14/90	06/16/90	06/11/90
Camival at illes				
	•	\$	~	S
Vapone (60%)	< 3.00	\$	< 3.00	≦
				;
	< 0.200	00Z*0 ×	• 0.200 •	002.0 ×
	1	¥	¥	i
1,1,1-irichioroctume (wus)		< 0.330	< 0.330	< 0.330
1,1,2-Trichloroethane	1	1	\$	\$
1,1,2-Trichlaroethane (GDRS)	1	5	;	87 67
1,1-Dichtaroethane	967°0 ×	065-0 >	74.0 ×	
	1	ī	\$	ş
(,)-Dichloroethane (GDS)	67.0 ×	< 0.270	< 0.270	< 0.270
1, 1-bichtorethere	07.0	< 0.320	< 0.320	< 0.320
	1	\$	¥	\$
1,2-Dichloroethere (GLAS)	0.120 0.120	< 0.320	< 0.320	< 0.320
	!			
(MLD) (seemed a play seemed to the latter of the	≤	\$	1	1
	× 0.100	< 0.100	< 0.100 <	< 0.100
Berzere	=	¥	1	≦
	60.310 ×	< 0.310	< 0.310	< 0.310
Carbon Tetrachtorios	=	*	1	1

Reported values are accurate to three significant figures. < -- indicates that the target analyte was not detected at

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[.] indicates that the target analyte was not detected all or above the Certified Reporting Limit.
. indicates that the target analyte was detected at or

above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Date did not meet quality control criteria and were

:	IIA11575E	HA1157SE	MA1159SE	IA1159SE
Sample 10	8	80 7	15 cm	5
Gepth	05/16/90	06/11/90	05/16/90	06/14/90
Analytes	ı			
	:			
Volatiles	. 010	< 0.100	< 0.100	< 0.100
Chlorobenzene	1	غ	¥	≨
Chlorobenzene (GDS)	< 0.240	< 0.240	< 0.240	< 0.240
	1	ž	¥	≦
Chloreform (GCMS) Dibromochloropropene	< 0.00500	\$	< 0.00500	ž
	00. 0 ×	\$	< 0.300	1
Dibromochloropene (GDS)	< 1.12	≨	< 3.12	ī
Dimethyl Disulfide	1	3	£	1
Dimethyl Disulfide (GOIS)	, 0-190	< 0.190	< 0.190	< 0.190
Ethyl Benzere Ethyl Benzere (GDIS)	1	1	ź	ī
	026 W .	< 0.230	6.230	• 0.230
H-Xylene	3 1	≦	1	*
H-Xylene (EDS)	i 9	07.7 >	07.7 >	07.7 >
Methylene Chloride	1	1	ī	_ ≦
Nethylene Chloride (GDS) Nethyliaduntyl Ketone	079.0 >	< 0.630	o. 0.646	× 0.630
	3	S	1	ž
Hethylisobutyl Ketone (GDS)	¢ 0.780	< 0.780	< 0.780	< 0.780

Notes: Values are reported in micrograms per gram. Reported values are accurate to three significant figures.

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Mot Amelyzed.

^{? --} Bata did not meet quality control criteria and were rejected.

Table D1 Stream-Bottom Sediment Investigative Analytical Data

6 cm 4 cm 5/90 06/14/90	A 0.160 A 144 G3	50
MA1159SE 15 cm 05/16/90	* 0.160 * 0.160 * 0.103	< 0.250 × 84 × 1.86 × 1
35.11AH 4 CM 106/21/90	* 0.160 * 0.160 * 0.100	< 0.250 ★ 1.80
30 CB 30 CB 05/16/90	A 0.160 A 0.100 A 0.100	< 0.250 × mx × 1.86
Sample 1D Depth Date Analytes	Volatiles 0,P-Mylene (GDKS) Tetrachloroethere Tetrachloroethere (GDKS) Toluene Toluene	Trichloroethere (4075) Trichloroethere (4075) Vinyl-Chloride

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per gram.

< -- indicates that the target analyte was not detected at > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

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Table D1 Stream-Bottom Sediment Investigative Analytical Data

Sample 10	IIA1180SE	M11815E	141182SE	35281 AN
Depth	8 5 17 X	67717SD	05/16/30	06/14/90
Date	24/11/70			•
Analytes				
Metais/Anions/General Chem				
	× 2.50	< 2.50	< 2.50	≨
	< 1.20	1.73	× 1.20	á
	47.5	80.3	28.1	\$
	4.8	53.5	13.3	≦
Cyanide	~	~	~	£
3	61.9	0.09	X.5	1
	0.217	0.305	0.188	ī
Test Organic Carbon	14.200	205	0%67	1
Zine	\$2	282	126	3
	3	< 1.7k	< 1.7k	1
	< 0.306	< 0.300	< 0.300	.
1,4-Westians (ecos)	< 8.00277	0.0148	< 0.00277	¥
C.C. Distinct Community of the Community	× 0.500	< 0.500	< 0.500	£
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DE)	× 0.00466	0.00001	· 0.00466	3
(SICE) (SICE) amortion of the first from the second of the	• 0.600	0.600	009.0 >	ź
A. Chiamping and the College of the	6.40	07.4 >	07.4 >	1
4-Unioropherylmethyl Sulfide (GDMS)	¢ 0.900	< 0.900 <	< 0.900	≨

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

- < .. indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

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MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected. 'n

Table D1 Stream-Bottom Sediment Investigative Analytical Data

Sample 10	MA1180SE 60 CM	MA11B1SE 60 cm	MA1162SE 60 cm	MA1182SE 4 CB
Unpite Cate	05/11/30	05/14/90	05/16/90	06/11/90
Analytes				
Semivolatiles			,	;
1. Thi propheryl methyl Sulfane	< 9.01	× 9.01	· 9.0	≦
Latingary and method Sulfage (CDS)	< 0.300	< 0.300	· 0.300	≦
Lot contact setty Cut for ide	< 4.81	· 4.81	< 4.81	¥
A chilocophamicantian (children)	< 0.300	< 0.300	< 0.300	≨
Aldrin	< 0.00211	< 0.00211	< 0.00211	≦
1 T T T T T T T T T T T T T T T T T T T	0.300	· 0.300	< 0.300	\$
Algrin (M.R.)	•	**	•	1
ACTIVITY	< 0.300	< 0.300	< 0.300	≦
ACTUALITY (GLAS)	· 2.04	< 2.0%	< 2.0%	≦
Montosaniatore Bicyclo (2,2,1) hepta-2,5-diene	· 1.16	< 1.10	< 1.10	š
Canada Ca	1	ž	1	¥
Bicycle (4,4,1) mpra-2,3-01mm (exas)	× 0.0230	0.0775	< 0.0230	≦
	< 2.00	< 2.00	< 2.00	1
בשומנוספוב (פריים)	< 0.450	< 0.450	< 0.450	≦
Dicyclopentadiene (GDS)	× 1.80	4 1.00	· 1.90	£
	< 0.00181	0.00685	< 6.00181	ī
Dieldrin (COS)	< 0.300	< 0.300	< 9.300	≨

Motes: Values are reported in micrograms per gram.

< -- indicates that the target analyte was not detected at Reported values are accurate to three significant figures. or above the Certified Reporting Limit.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

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:	MA1180SE	NA1181SE	HA1182SE	IA1182SE
	9	8	5	5
Depth	05/11/50	05/14/90	05/16/90	06/11/90
Date Analytes				
Semivolatiles	4	4	≦	1
Diisopropyl Methylphosphonate		× 1.00	× 3.00	≦
Diisopropyi Methylphosphomice (w.m.)	=	\$	\$	≦
Dimethylmethyl Phosphonate	÷ 1.45	< 1.65	< 1.45	1
Dithiane (COIS)	007.0 >	005"0 >	< 0.400	ş
	< 0.00471	0.00925	< 0.00471	1
Endrin	950	< 0.500	< C.500	¥
Endrin (GCMS)	< 0.00137	< 0.00137	< 0.00137	≦
Rexachl orocyclopentadiene	009:0 >	< 0.600	009.0 >	¥.
Mexachlorocyclopertagiene (suns)	< 0.00186	< 0.00168	< 0.00188	1
		ONE O	005.0	\$
Isadrin (GUS)	00°.00 >	7		\$
Kelathion	, 9 200		× 0.700	\$
Melathion (GDIS)			-	1
Parathion	¥ '	200	0.900 • 0.900	ĭ
Parathion (GCIS)	96.9			
	*	ČĆ.	~	1
such's	× 0.60e	009.0 >	• 0.60G	¥
Suporte (GCMS)				

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per gram.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- -- Data did not meet quality control criteria and were MA -- Not Analyzed. R -- Data did not m rejected.

Table Di Stream-Bottom Sediment Investigative Analytical Data

Sample 10	NA1180SE	HA1181SE	HA1182SE	MA1182SE
Depth	8	3	8	8 4
Date	05/11/50	05/14/90	05/16/90	06/11/90
Analytes				
Semivolatiles				
Vapora	~	~	er	≦
Vapona (GDIS)	< 3.00	< 3.00	< 3.00	£
Volatiles				
1,1,1-Trichlorcethane	< 0.200	< 0.200	< 0.200	· 0.200
1,1,1-Trichloroethane (GOIS)	1	1	4	1
1,1,2-Trichloroethane	< 0.330	< 0.330	< 0.330	< 0.330
1,1,2-Trichloroethene (GDMS)	1	ī	¥	≦
1,1-Dichloroethane	069*0 >	< 0.490	065.0 >	067*0 >
1.1-Dichloroethane (GOIS)	≨	1	ĭ	≦
	< 0.270	< 0.270	< 0.270	o.270
1,2-Dichloroethene	< 0.320	< 0.320	< 0.320	< 0.320
1,2-Dichloroethame (GCIS)	1	1	≦	1
1,2-Dichloroetheres (cis & trans)	< 0.320	< 0.320	< 0.320	< 0.320
1.2-bichloroethenes (cis & trans) (GDIS)	ź	á	ş	1
	< 0.100	< 0.100	< 0.100	< 0.100 -
Benzens (GDIS)	1	ā	a	\$
Carbon Tetrackioride	< 0.310	< 0.310	< 0.310	< 0.310
Carbon Tetrachloride (GDIS)	¥	¥	≦	š

Notes: Values are reported in micrograms per gram.

Recorded values are arrupts to three simil.

Reported values are accurate to three significant figures.

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Anelyzed.
- -- Data did not meet quality control criteria and were

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Table D1 Stream-Bottom Sediment Investigative Analytical Data

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•	MA1180SE	KA1181SE	HATTEZSE	IA1182SE
Semple 10	3	99	8	8,
Depth	05/11/50	05/14/90	05/16/90	06/11/90
Analytes				
Volatiles		8 1 6 '	× 0.100	< 0.100
Chlorobenzene	7 T		3	ī
Chlorobenzene (GCMS)	97.0	× 0.240	< 0.240	< 0.240
Chloroform	1	*	1	¥
Chloroform (GDMS) Dibromochloropropene	0.00500	< 0.00500	0.00500 >	1
	< 0.300	< 0.300	< 0.300	\$
Dibromochloropene (GUS)	< 3.12	< 3.12	< 3.12	≦
Dimethyl Disulfide	1	\$	1	£
Dimethyl Disulfide (GOIS)	× 0.190	< 0.190	< 0.190	· 0.190
Ethyl Benzene (60%)	4	1	\$	ş
	or.	92.0	< 0.230	6.230
H-Xyl ere	0.50 1	1	*	ī
M-Xytene (GCMS)	¥ 7 7 ×	97-9 >	07.7 >	07"
Methylene Chloride	1	≦	ī	3
Rethylene Chloride (GDIS) Rethylisobutyl Ketone	× 0.640	¢ 0.640	× 0.640	× 0.630
	ź	ā	≦	3
0,P-Xylene .	· 0.780	< 0.780	· 0.780	4 0.730

Reported values are accurate to three significant figures. Values are reported in micrograms per gram. Notes:

 $[\]boldsymbol{\varsigma} \leftarrow \boldsymbol{\iota}$ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> ... indicates that the target amalyte was detected at or above the Maximum Reporting Limit.

⁻⁻ Not Amelyzed.

⁻⁻ Data did not meet quality control criteria and were rejected. **4** ~

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Table D1 Stream-Bottom Sediment Investigative Analytical Data

Sample 10 Depth Date Analytes	60 cm 05/11/90	60 cm (5/14/90	#A11825E 60 CB 05/16/90	MA1182SE 4 cm 06/14/90
Volatiles 0,P-Xylene (GCHS) Tetrachloroethere Tetrachloroethere (GCHS) Toluene Toluene (GCHS)	A 0.100 A M	. 0.166 . 0.100 . 0.100	. 6.160 . 6.100 . 6.100	MA < 0.160 × 0.100 × 0.100
Trichloroethere (GDS) Vinyl Chloride	60.250 M 1.80	6.230 1.80	6.250 IIA 4 1.30	< 6.250 MA MA < 1.80

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - M -- Not Analyzed.
- R -- Data did not seet quality control criteria and were

Table D1 Stream-Bottom Sediment Investigative Analytical Data

	ILA 1183SE	M1184SE	MA11875E
	8	120 05	244 CB
Depth	08/71/90	05/14/90	05/10/90
Date			
Analytes			
merals/Amions/General Chem			;
	< 2.50	< 2.50 . 2.50	× 2.50
Artenic	4 1.20	3.33	· 1.20
	9.89	29.7	62.5
Chromium	41.2	51.4	54.1
Copper		-	~
Cyenide	2	·	
	¥.1	109	9.06
P##	0.297	0.416	9.196
Hercury	998	25	16600
Total Organic Carbon	2%	757	2%
Zinc		}	
Semivolatiles		ļ	ì
	× 1.74	< 1.7k	4 1,68
	· 0.300	< 0.300	× 0.300
1,4-Ottothiere (stand)	< 0.00277	0.0215	0.0116
2,2-516(perachioragy()-1,1,1,1,1100 community (COS)	· 0.500	< 0.500	< 0.500
2,2-Bis(parachlorophenyi)-1,1-Tilling Continue (DDE)	99900.0 >	0.00679	69900.0
(MLD) (SML) seeds the set of the	009'0 >	009.0 >	009.0 >
2,2-Bis(perachlorqueryl)-1,1-bicator cemene (ver.) (cem.)	07.7 >	07"7 >	07.4 >
4-Chloropherylmethyl suffice (GDRS)	00.0 >	0.900	× 0.900

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Bata did not meet quality control criteria and were rejected.

Table D1 Stream-Bottom Sediment Investigative Analytical Data

	MA11835E	IIA1184SE	IIA1187 SE	
	99	120 cm	544 GB	
Date	05/14/90	05/14/30	05/10/90	
Analytes				
Services in the services of th				
And the contract and the form	< 9.01	< 9.01	× 9.01	
4-Union upage y menujy serious 7-serious desperadimental Sulfane (CDIS)	< 0.300	< 0.300	< 0.300	
	< 4.81	× 4.81	× 4.81	
A-LHIOTujaneny tamenty to an income to a family (2785)	< 0.300	< 0.300	< 0.300	
4-(Blordung) metry common common Aldrin	< 0.00211	0.0102	< 0.00211	
	•	9 39		
Aldrin (6015)	MC.0 >	700.0		
Arrazine	~	~	≃	
	< 0.300	< 0.300	< 0.300	
ACTAZITM (WATE)	< 2.0%	< 2.0k	× 2.04	
Mercon atole	× 1.10	< 1.10	< 1.10	
Bicyclo (2,5,1) mepta-2,3-utone				
(200) and had been at a few contracts.	\$	1	\$	
מוכאכוס וליכיוז ושלאת כיין חומת וחיים	× 0.0230	0.0376	0.0645	
	< 2.00	< 2.00	< 2.00	
	< 0.450	< 0.450	o57.0 >	
Dicyclopented one	5	< 1.60	× 1.00	
Dicyclopentadiene (GDIS)	3.		•	
	< 0.00181	0.00515	6.0102	
	< 0.300	< 0.300	• 0.300	
gie(aria (GDS)				

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per gram.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Analyzed.
- -- Data did not meet quality control criteria and were

B

Table D1 Stream-Bottom Sediment Investigative Analytical Data

	IA1183SE	IA1184SE	M11875E
Depth	99	120 cm	244 CB
Date	05/14/30	05/14/90	05/10/90
Analytes	6 9 9 1 1		
Senivolatiles			
Dijsogropyl Methylphosphomate	¥	≦	1
Diisopropyl Nethylphosphorate (GCMS)	.1.00	× 1.80	· 1.00
Dimethylmethyl Phosphorate	\$	\$	≦
Dithiere	< 1.45	< 1.45	< 1.65
Dithiane (GCHS)	< 0.400	007.0 >	007'0 >
Endrin	× 0.00471	- 0.00471	× 0.00471
Endrin (EDIS)	< 0.500	< 0.500	< 0.500
Hexach Loronz Locentadiene	< 0.00137	< 0.00137	< 0.00137
Besachlanceyclapentadiene (GOS)	• 6.600	009°0 ×	009'0 >
leodrin	< 0.00188	< 0.00188	< 0.00188
(COS)	< 0.300	< 0.300	< 0.300
Melethion	~	=	~
Netethion (60%)	6.70	< 0.700	· 0.700
Parethian	~	~	**
Pérethion (GDS)	< 0.900	> 0.9 0C	v 0.900
	•	446	•
Comme (COME)	v 0.600	× 0.600	009'0 >
(com) morbo			

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

- ... indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

; ;

MA -- Not Armstyzed. R -- Data did not meet quality control criteria and were rejected.

Table D1 Stream-Bottom Sediment investigative Analytical Data

• • • • • • • • • • • • • • • • • • •	MA1183SE	IA1184SE	IA1187SE	
	8	120 cm	244 cm	
Depth	05/14/90	05/14/90	05/10/90	
Date		•		
Analytes	•	•		
	~	~	•	
Vaporio	< 3.00	< 3.00	< 3.00	
Volatiles	90.		< 0.200	
1,1,1-Trickloroethane		1	1	
1 1 1-Trich(proethere (GONS)	ś			
a de la fact de la constitución	< 0.330	< 0.330	4 G. S	
	*	í	≦	
1,1,2-Trichloroethere (90%)	(87 4 7	067°0 ×	× 0.490	
1, i-Bichloroethane				
	4	1	\$	
1,1-bichloroethere (GUS)	< 0.270 <	< 0.270	c 0.270	
1,1-Dichloroethere		< 0.320	· 0.320	
1,2-Dichloroethane	1	1	≦	
1,2-Dichlaroethane (GDS)	i !		6 T20	
1,2-Dichloroethenes (cis & trans)	87°8 >			
	3	1	\$	
1,2-Dichloroethenes (cis & trans) (60%)	10 10	< 0 ,100	< 0.100	
Dentere	1	1	*	
Bengere (GDS)			A 0.310	
Carbon Tetrachloride	# C 0.510		1	
Carbon Tetrachloride (GOIS)	1	s .	ĺ	

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per gram.

- c -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- R -- Data did not meet quality control criteria and were

- MA -- Not Analyzed.

Table D1 Stream-Bottom Sediment Investigative Analytical Bata

= 1	IA1183SE	BA1184SE	NA1187SE
	3	120 cm	244 ca
	05/14/90	05/14/90	95/10/90
Date	2012		•
Amilytes			
toletics	< 0.100	< 0.100	< 0.100
רייונים מתפוקלפייב	1	≨	*
	< 0.240	< 0.240	< 0.240
	1	1	1
Dibrosochloropene	< 0.00500	< 0.00500	< 0.00500
(38)	< 0.300	< 0.300	< 0.300
Distriction of the control of the co	< 3.12	< 3.12	< 3.12
	*	¥	1
	< 0.190	< 0.190	< 0.190
Ethyl Bergere (CDS)	\$	1	≦
		ļ	
M. York days	< 0.230	• 0.230 • 0.230	4 0.230
A STATE OF THE REAL PROPERTY.	ž	ĭ	\$
TANCOR (GOOD)	07.7 >	07.7 >	o , 4 .40
	ĭ	≦	≦
Methylene Lincologe (wins)	× 0.640	× 0.640	· 0.640
HELIT I SUCKET TO THE PARTY OF			
(SILS) section (SILS)	1	ĭ	≦
Metaylisomary nerves (see.)	< 0.780	< 0.780	< 0.780

Reported values are accurate to three significant figures. Motes: Values are reported in micrograms per gram.

c -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

-- Data did not meet quality control criteria and were MA -- Not Analyzed.
R -- Data did not m rejected.

Table D1 Stress-Botton Sediment Investigative Analytical Data

Semple 10	MATIBASE	HAT184SE	MA11875E	
Depth	3	120 cm	244 CB	
Sate	05/14/90	05/14/90	05/10/90	
Amalytes				
Volatiles				
0,P-Xylene (GDS)	1	≦	1	
Tetrachloroethene	< 0.160	< 0.160	< 0.160	
Tetrachioroethene (GDIS)	≦	≦	¥	٠
Toluene	< 0.100	< 0.100	< 0.100	
Tolume (CDS)	1	1	≦	
Trichloroethere	4 0.26	6.20	• 0.250	
Trichlaroethene (GDS)	1	1	£	
Vinyl Chloride	6.1.8	1.80	8 .	

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

-- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target sculyte was detected at or above the Maximum Reporting Limit.

IA -- Not Aralyzed.

R -- Data did not meet quality control criteria and were

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Table D2 Stream-Bottom Sediment GC/MS Analytical Data

•	IN 1985E	M1195SE	MA1195SE
	ŧ.	5	8 7
Depth	6711/30	05/16/90	06/14/90
Date	CAS of	GC/MS of	GC/NS of
	IK1153SE	IN 1157SE	MA1157SE
Amilytes			
Semivolatiles		9 5.0 ×	£
1,4-Ousthiane (GDS)	6.50	< 0.500	£
2,2-8(s(parach(ordnes)/1)*1,1-(f) Lakio Ordnes (DDE) (CDE)	009.0 >	< 0.600	4
יייי ביייין מונים ליייים ביייין ליייים בייייים יייים ייים ביייים ביייים ביייים בייים ייים ביי	× 0.900	< 0.900	ĭ
4-Chlorophenylactity! Sulfare (GDS)	< 0.300	· 0.300	ī
	· 8.30	× 0.300	¥
4-Chloropherylascayl aktorius techa)	< 0.300	< C.300	ī
Aldrin (G.S.)	< 0.300	< 0.300	ĭ
ATTERINE (LAS)	< 2.90	< 2.00	≦
Chierden (eus) Dicyclopentadiene (60%)	. 1.8	. 1.00	1
	· 0.300	< 0.300	≦
prefer (GLAS)	× 1.80	< 1.00	¥
Display receiptions and receiptions of the second	907'B ×	× 0.400	ī
	< 0.500	< 0.500	1
Engrin (alus) Resachlanasyclopentadiene (GDIS)	• 0.600	6.600	1
	< 0.30G	< 6.300	ĭ
	< 0.700	0.700	≦

Values are reported in micrograms per gram. otes:

Reported values are accurate to three significant figures.

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MA -- Not Analyzed.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

Table D2 Stream-Bottom Sediment GC/MS Analytical Data

:	MA1194SE	HA1195SE	M1195SE	
Sample 10	15 a	5 8	5 7	
Depth	05/11/30	05/16/90	06/14/90	
Date	C. MS of	GC/MS of	SC/RS of	
		24445265	1411575E	
	3 555CL1 3	X 151 X		
Analytes				
	• 0.900	· 6.900	≦	
	· 0.600	009.0 >	¥	
Supora (60%)	< 3.00	< 3.00	1	
Volatiles	3		A 8 200	
1.1.1-Trichtoroethere	A U. 200	007.0		
a 9-Trichlomothere	< 0.330	< 0.330	< 0.330	
	× 0.490	× 0.490	< 0.490	
	< 0.270	< 0.270	< 0.270	
1,1-bichiorocomm	× 0.320	< 0.328	< 0.320	
1,2-bichloroetame				
	< 0.320	< 0.320	< 0.320	
	< 0.100 ×	< 0.100	× 0.100	
Nertotile	< 0.310	< 0.310	< 0.310	
	· 0.100	< 9.106	< 0.100 <	
Chi orobenzene	< 0.240	< 0.240	< 0.240	
	< 0.300	< 0.360	\$	
Distribucion de la companya de la co	< 0.190	< 0.190	< 0.120	
Ethyl Benzene	· 0.230	< 0.230	· 0.230	
R-Rylane	07.7 >	07.7 >	o 7.4 >	

Notes: Values are reported in micrograms per gram.
Reported values are accurate to three significant figures.

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

or manner use the target smallyte was detected at or above the Maximum Raporting Limit.

<u>.</u>

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30 cm 4 cm 55/16/90 05/16/90 06/14/90 05/16/90 06/14/90 05/14/90 0		 0.630 0.730 0.700 0.160 0.160 0.160 0.100 0.100 0.250 1.80
15 CB 05/11/90 05/11/90 05/11/90 05/11/90 05/11/90 05/11/90		0.630 00.700 00.100 00.100 00.250
Sample 10 Depth Date	Analytes	volatiles Methylischuryl Ketone O,P-Kylene Tetrachloroethere Toluene Trichloroethere

Notes: Values are reported in micrograms per gram.
Reported values are accurate to three significant figures.

^{...} indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at of above the Maximum Reporting Limit.

MA -- Not Analyzed.

Table D3 Stream-Bottom Sediment Duplicate Analytical Data

	IA1192SE	IA1192SE	MA1193SE
Depth	99	7	244 GB
Date	05/16/90	06/14/90	05/10/90
	prib of	Dup of	Dup of
	IA1187SE	IN 1182SE	NA1187SE
Analytes			
Netals/Anions/Ceneral Chem			
	< 2.50	¥	< 2.50
	× 1.20	1	1.97
	1.05	ā	71.2
Compe	16.9	ī	63.5
Cymide	•	s	₩.
	0 67	1	901
	, c	1	0.240
Wercury	0189	i s	18300
Total Organic Caroon Zinc	115	1	0 2
Sentvolatiles	i	i	7.
1,4-Ouethiene	4 1.74	§	21.1
1 Afunthiane (COS)	< 0.300	≦	× 0.300
2 2-Bisconach prombend 3-1, 1, 1-Trich proethers (007)	< 0.00277	ī	0.00515
2 2-Bis (neverth) company 1-1.1-1 richloroethere (101) (6035)	· 0.500	\$	< 0.500 <
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE)	< 0.00466	1	· 6.00466
2,2-Bis(parachlorophenyt)-1,1-Dichloroethene (DDE) (GCMS)	009:0 >	£	009"0 >

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Hot Analyzed.
- Dup -- Duplicate
- g -- Data did not meet quality control criteria and ... repected.

Table D3 Stream-Bottom Sediment Duplicate Analytical Data

	MA1192SE	IIA1192SE	KA1193SE	
State 10	99	#5 *	244 CB	
Depth	05/16/90	06/14/90	05/10/90	
Date	Dup of	Dut of	Bup of	
	IA1187SE	HA1182SE	MA1187SE	
Analytes				
Semivolatiles	07 7 7	4	4.40	
4-Chlorophenylmethyl Sulfide	000 U	i s	· 0.900	
4-Chlorophenylmethyl Sulfide (GCNS)		≨	< 9.01	
4-Chlorophenylmethyl Sulfone	902.0	¥	< 0.300	
6-Chlosopherylmethyl Sulfane (GDS)	< 4.81	1	< 4.81	
4-Culordanaylecular surran				
	< 0.300	*	< 0.300 <	
4-Chloropherytaethyt Suttoxioe (suns)	< 0.00211	≨	< 0.00211	
Aidrin	× 0.300	≦	< 0.300	
Aldrin (6015)		1	•	
Atrazine	, 2 FK	ă	× 2.04	
Denzoth i azol e	5	Ì		
	, 1.10	≦	< 1.10	
Bicyclo [2,2,1] hepta-2,5-didne	× 0.0230	≦	< 0.0230	
Chlordene	< 2.00	\$	< 2.00	
Chiordene (GCMS)	957 0 >	≨	< 0.450	
Dicyclopentadiene	8	\$. 1.00	
Dicyclopentadiene (GCMS)	3.			

Notes: Values are reported in micrograms per grom. Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Analyzed.
 - Dup -- Duplicate
- R -- Data did not meet quality control criteria and were

eta did no ted.

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7

20,000	8 7	244 cm
05/16/90 06/	14/90	05/10/90
	Dup of	Pup of
_	1182SE	MA1187SE
0.00501	4	0.00495
300	¥	< 0.300 ×
8	1	× 1.00
45	4	< 1.45
007	≦	009"0 >
00471	*	9,00797
200	1	< 0.500
83	1	< 0.00137
009	1	× 0.600
< 0.00188	1	< 0.00188
< 0.300	ĭ	< 0.300
	1	-
	1	•
	1	~
	≦	
_ 		

Notes: Values are reported in micrograms per gram.

< -- indicates that the target analyte was not detected at Reported values are accurate to three significant figures.

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit. MA -- Not Amelyzed.

-- Data did not meet quality control criteria and were Dup -- Duplicate R -- Data did no rejected.

Table D3 Stream-Bottom Sediment Duplicate Amelytical Data

:	W11525E	IA1192SE	MA1193SE
Semple 10	98	8	244 CB
Deprh	05/16/90	06/14/90	05/10/90
Date	Dup of	Dup of	pro of
	BA11875E	IN 1162SE	HA11875E
Analytes			
Volatiles			
1.1.1-Trichloroethane	0.200	* 0.20 *	00.0
4 to 2. Teichlomethans	< 0.330	< 0.330	< 0.330
	× 0.490	067.0 >	× 0.490
	< 0.270	× 0.270	c 0.270
1,1-Dichtoroethere	est o	6CT 0 >	¢ 0.320
1,2-Dichloroethane			
	4 0.320	< 0.320	< 0.320
ייין מון מון מון מון מון מון מון מון מון מו	< 0.100 	< 0.100	· 6.100
Mentaria de la companya della companya della companya de la companya de la companya della compan	< 0.310	< 0.310	< 0.3 10
Certan Tetrachioride	4 9. 100	< 0.100	< 0.100 <
Chlorofora	< 0.240	< 0.240	< 0.240
	◆ ●.00500	1	0.0190
Dibramachi or opropere	< 0.300	\$	< 0.300
Dibromochtoropropme (ture)	< 3.12	1	< 3.12
	< 0.198	× 0.190	< 0.190
Ettryt Denzens H-Tyters	< 0.230	< 0.230 ·	< 0.230

Values are reported in micrograms per gram. Motes:

Reported values are accurate to ' .ree significant figures.

-- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Mot Analyzed

-- Data did not meet quality control criteria and were Dup -- Duplicate R -- Data did m

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Table D3 Stream-Bottom Sediment Duplicate Amalytical Data

4 cm 244 cm 244 cm 06/14/90 05/10/90 ptp of partiesse matterse		 < 4.40 < 6.50 < 0.780 < 0.780 < 0.780 < 0.169 < 0.100 < 0.100 < 0.250 < 1.80 < 1.80 	
MA1197SE 60 cm 05/16/90 Dup of MA1187SE	•	 4.40 0.640 0.700 0.160 0.100 0.383 1.80 	
Sample 10 Depth Date	Analytes	Volatiles Methylene Chloride Methylisobutyl Ketone O,P-Kylene Tetrachloroethene Toluene Trichloroethene	Vinyl Calonde

Makes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

<-- indicates that the target analyte was not detected at

or above the Certified Reporting Limit. $> \cdots$ indicates that the target analyte was detected at or

above the Maximum Reporting Limit. EA -- Not Armlyzed.

Dup -- Duplicate

1

E -- Daza did not meet quality control criteria and were rejected.

Appendix E
SURFICIAL AND SUBSURFACE SOIL ANALYTICAL DATA

LIST OF TABLES

Table No.	
E1	Surficial and Subsurface Soil Investigative Analytical Data
E2	Surficial and Subsurface Soil GC/MS Analytical Data
E3	Surficial and Subsurface Soil Duplicate Analytical Data
E4	Surficial and Subsurface Soil Background Analytical Data

Table El Surficial and Subsurface Soil Investigative Analytical Data

Ī

Sample ID Depth Date	15 cm 02/23/89	137 cm 02/23/89	15 cm 02/23/89	15 cm 02/23/89
Analytes				
Metals/Anions/General Chem	< 2.50	< 2.50	< 2.50	< 2.50
Arsenic	\$	ş	ž	S
	¥	1	ĭ	ž
	1	S	≦	\$
Copper	1	\$	ĭ	≦
	3	1	ă	1
62.	=	1	1	1
l ead	i≨	` 1	1	≨
Hagnesium	4	¥	≦	1
Narganese Neroury	< 0.0500	< 0.0500	< 0.0500	< 6.0500
	1	7	\$	\$
Potassium	i	i ≨	.	\$
Sodium Zine	í á	1	≦	1
				;
Sentivoracios 1,4-Oxathiane	< 1.74	< 1.74	< 1.74 	< 1.7 . 0 200
1,4-Ocathiane (GDIS)	< 0.300	< 0.500	< 0.500 < 0.00200	< 0.00200
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GDKS)	< 0.500	< 0.500	< 0.500	< 0.500

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- -- Data did not meet quality control criteria and were MA -- Not Analyzed.
 R -- Data did not B

rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample ID Depth Date Analytes	15 cm 02/23/89	137 cm 137 cm 02/23/89	15 cm 15 cm 02/23/89	15 cm 15 cm 02/23/89
Semivolatiles 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GDNS) 4-Chlorophenylmethyl Sulfide 4-Chlorophenylmethyl Sulfide (GDNS) 4-Chlorophenylmethyl Sulfide	<pre> 0.00240 < 0.00240 < 0.40 < 0.900 < 0.91 </pre>	0.002400.002400.4000.4000.9000.900	0.002400.6004.406.9009.61	0.002400.6004.400.9009.01
4-Chlorophenylmethyl Sulfane (GDKS) 4-Chlorophenylmethyl Sulfaxide 4-Chlorophenylmethyl Sulfaxide (GDKS) Aidrin Aldrin (GDKS)	< 0.300 < 0.300 < 0.00190	< 0.300 R 0.300 < 0.00190	< 0.300 R < 0.300 < 0.00190 < 0.300	< 0.300 R 0.300 < 0.00190
Atrazine (GDKS) Benzothiazole Bicyclo (2,2,1) hepta-2,5-diene Bicyclo (2,2,1) hepta-2,5-diene (GDKS) Chlordane	< 0.300 < 2.04 IM IM < 0.0230	< 0.300 < 2.04 R < 0.360 < 0.0230	< 0.300 < 2.34 BA BA < 0.0230	< 0.300 < 2.96
Chlordene (SDKS) Dicyclopentadiene	× 2.00	< 2.00	< 2.00 FF	× 2.00

Motes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Liuit.
 - MA -- Not Analyzed.

P

R -- Data did not meet quality control criteria and were

Table El Surficial and Subsurface Soil Investigative Analytical Data

-,

Sample ID Depth	025390AM 85 21	137 cm (02/23/89	15 cm 12 cm	HA096750 15 CB 02/23/89
Date Analytes				
Semivolatiles	, s	, 1.8	· 1.00	< 1.00
Dicyclopentadiene (GDS)	70200 5	< 0.00330	< 0.00330	< 0.00330
Dieldrin	× 0.300	< 0.300	< 0.300	< 0.300
Dieldrin (GDS)	× 1.00	. < 1.00	4 1.00	. 1.00
Disapropyt metnytphosphorate taurs) Dithiane	× 1.6	< 1.45	< 1.45	< 1.45
	007 0 >	007-0 >	007.0 >	007'0 >
Dithiane (GDS)	< 0.00500 ×	× 0.00580	< 0.00500	< 0.00580
Endrin	5	× 0.500	< 0.500	< 0.500
Endrin (GDIS)		< 0.00180	< 0.00180	< 0.00180
Nexachlorocyclopentadiene Nexachlorocyclopentadiene (GCMS)	009"0 >	v 0.600	009.0 >	09'0 >
	01100 0 1	< 6.00110	< 0.00110	< 0.00110
Isodrin	002.0 >	< 0.300	< 0.300	< 0.300
Isodrin (GDIS)		002.0	< 0.700	< 0.700
Malathion (GDIS)	006-0 >	× 0.900	< 0.900	× 0.900
Parathion (GDRS) Supona (GDRS)	009'0 >	009'0 >	0.600	0.600
Vapone (GCIS)	< 3.00	< 3.00	< 3.00	. < 3.00
Volatiles	š	< 0.0899	£	\$

Motes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

- ... indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Analyzed.
- R -- Data did not meet quality control criteria and were rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10	15 CR	137 CB	15 cm	15 cm
Date	05/23/89	02/23/89	02/23/89	02/23/89
Analytes				
Volatiles				
1 1 1-Trichlomethere (GDS)	1	v 0.430	ī	1
1 2 2-Trichloresthane	\$	< 0.263	1	1
1 1 %-Trichloroethane (2018)	1	< 6.390	1	≦
1 -Dichlomethane	a	° 0.0740	ĭ	£
1,1-Dichloroethane (GDIS)	¥	٠ 1.70	<u>.</u>	¥
1 1-Bichicrosthans	1	< 0.240	4	1
1.2-Dichlocoethane	1	< C.0650	ĭ	ī
1 2-3 ich coethare (GDS)	ī	095.0 > .	≦	¥
	1	< 0.260	≦	ī
1,2-Dichloroethenes (cis & trans) (GDIS)	1	ራ 1.78	4	ī
	ā	< 0.0050	\$	ž
	1	· 0.250	¥	1
Periods (units)	\$	< 0.120	5	¥
Carbon Tetrachloride (CDES)	1	< 0.250	1	\$
Chlorobenzene	1	< 0.200	ş	1
1984	\$	× 1.50	\$	¥
Chloroform	. 1	< 0.0680	1	1

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

-- Data did not meet quality control criteria and were

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Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10	MA098550	HA09655045	HA0986SO	NA098750
Depth	15 @	137 cm	t ====================================	t 5 c∎
Date	02/23/89	02/23/89	05/53/89	02/23/89
Analytes				
Volatiles				
Chloroform (GDIS)	1	< 0.290	\$	¥
Dibramochloropropane	•	å	~	~
Dibramoch (orapropene (SDIS)	< 0.300	< 0.300	< 0.300	< 0.300
Directive Disaffide	< 3.12	< 3.12	< 3.12	< 3.12
Dimethyt Disulfide (GDRS)	ĭ	< 20.0	3	\$
Ethyl Berzere	ā	< 0.160	£	ā
Erthy Benzene (CDIS)	ī	< 0.380	¥	¥
H-XV gne	1	< 0.260	¥	ă
H-XV(ene (EDIS)	\$	< 0.740	¥	≦
Methylene Chloride	ş	× 3.70	ī	ĭ
Nethylene Chloride (GDIS)	*	< 1.50	¥	ī
Methyl isobutyl Ketone	=	~	غ	4
Methylisabutyl Ketone (GCIS)	≦	< 0.730	ĭ	
O,P-Xylene	1	< 0.390	¥	a
O,P-Xylene (GDKS)	ĭ	%°7 >	¥	1
I ar rach i ornarhana	1	< 0.270	1	*
Tetrachioroethere (GDS)	≦	< 0.250	1	*

Motes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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· jected.

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< -- indicates that the target analyte was not detected a or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Date Analytes	02/23/89	02/23/89	15 cm 02/23/89
	1	Opt 0 >	1
	f		
	7	0X.0	\$
	i		i
	1	< 0.140	1
	i :	673 6 7	1
Trich constants (CDS)	í		i

Reported values are accurate to three significant figures. Values are reported to microgram per gram. Notes:

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 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

•	MA09875050	MADPERSO	HADSESMB	MA0990LB
Sample 10	152 cm	15 cm	8	3 68
Depth	02/23/89	02/23/89	05/57/80	05/54/89
pare				
Analytes				
Hetals/Anions/General Chem	;	•	5	< 2.50
A 27 201 1 1	× 2.35	3.34	? :	:
	≦	4	\$	S
	1	¥	≦	1
Calciu	1	*	1	≦
Chronium	i 1	*	1	≦
Copper	5	Ì		
	1	≦	ž	1
Ira	1 1	1	≦	≦
	i ;	1	1	¥
Macrostic	•	í	ii	\$
	≦	≦	1	i
Hanganese	< 0.0500	< 0.0500	× 0.0500	0.127
Heroury				
	\$	ş	\$	\$
Potassium	1	1	1	≦
Sodium	i :	3	\$	*
Zinc	i	i		
Segivolatiles	i		7.1.7	× 1.74
and district.	< 1.74	*/	<u> </u>	OZ C
	< 0.300	√ 0°300	× 0.300	0.00
1,4-Oxethiane (GURS)	· 0.00200	< 0.00200	0.0535	0.230
2,2-81s(parachiorophemy)-1,1,1,1minocoethane (001) (GPS)	< 0.500	< 0.500	< 0.500	· 0.500

Values are reported to microgram per gram. Motes:

Reported values are accurate to three significant figures.

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

 $[\]rightarrow$ -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were MA -- Mot Analyzed. R -- Data did not m rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10 Depth Date Analytes	152 cm 152 cm 02/23/89	15 cm 15 cm 02/23/89	184098948 3 cm 02/24/89	3 CB 3 CB 02/24/89
Semivolatiles 2,2-Bis(parachlorophenyl)-1,1-Bichloroethene (DDE) 2,2-Bis(parachlorophenyl)-1,1-Bichloroethene (DDE) (GCMS) 4-Chiorophenylmethyl Sulfide 4-Chlorophenylmethyl Sulfide 4-Chlorophenylmethyl Sulfide (GCMS)	< 0.00240 < 0.600 < 4.40 < 0.500 < 9.61	0.002400.6004.409.01	0.0363 < 0.600 < 0.40 < 0.901	0.0730 < 0.600 < 4.40 < 0.900 < 0.901
4-Chiorophenylmethyl Sulfone (GDIS) 4-Chlorophenylmethyl Sulfoxide 4-Chlorophenylmethyl Sulfoxide (GDIS) Aldrin Aldrin (GDIS)	< 0.300 R < 0.300 < 0.00190 < 0.300	< 0.300 R < 0.300 < 0.00190 < 0.300	< 0.300 R < 0.300 0.0164 < 0.300	< 0.300 R < 0.300 0.0103 < 0.300
Atrazine (GDMS) Benzothiezole Bicyclo [2,2,1] hepta-2,5-diene Bicyclo [2,2,1] hepta-2,5-diene (GDMS) Chlordane	< 0.300 < 2.04 R < 0.360 < 0.0230	< 0.300 < 2.04 HA HA < 0.0230	< 0.300 < 2.04 HA HA **A	< 0.300 < 2.04 BA BA 0.151
Chlordame (GDMS) Dicyclopentadieme	< 2.00	< 2.00 ■	4 2.00	× 5.00

Reported values are accurate to three significant figures. Notes: Values are reported to microgram per gram.

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
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Table El Surficial and Subsurface Soil investigative Analytical Data

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Sample 10 Depth	HA09375050 152 CR	HA0988SO 15 CM	HADS8948 3 cm	HA099048 3 cm
Date	02/23/89	02/23/89	05/54/89	02/24/89
Analytes				
Semivolatiles	< 1.00	< 1.00	4 1.00	• 1.00
Distriction (cons)	< 0.00330	< 0.00330	0.130	0.120
Distance (CONC)	< 0.300	< 0.300	< 0.300	< 0.300
Disconney Methylphosphorate (GDS)	• 1.00	· 1.00	. 1.00	· 1.00
Dithiane	< 1.45	< 1.45	< 1.45	< 1.45
1980/4/	007.0 >	× 0.400	007.0 >	· 00*0 >
	< 0.00580	< 0.00580	< 0.0290	0.0152
	< 0.500	< 0.500	< 0.500	· 0.500
Endrin (GLAS)	< 0.00180	< 0.00 i 30	< 0.00180	< 0.00180
Hexach lorocycl opentadiene (GCNS)	009.0 >	· 0.600	· 0.600	× 0.600
ei d ece	< 0.06110	< 0.00110	< 0.00110	< 0.00110
CORPOR THE PROPERTY OF THE PRO	< 0.300	< 0.300	< 0.300	< 0.300
ISOBITIN (MINS)	< 0.700	< 0.700	< 0.700	< 0.700
	< 0.900	00.00	< 0.900	< 0.900
Supone (GDRS)	< 9.600	< 0.600	• 0.600	009.0 >
Vapona (GDNS)	< 3.00	< 3.00	< 3.00	< 3.00
Volatiles 1,1,1-Trichloroethane	< 0.0880	\$	1	¥

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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rejected.

Table E1 Surficial and Subsurface Soil Investigative Analytical Data

5	MA09875050	MA0988SO	HAD96948	870660VB
	152 cm	15 cm	3 8	5
Depth . nate	02/23/89	02/23/89	68/52/20	02/24/89
Analytes				
1.1.1				;
(SECT) and the second section (SECT)	< 0.430	¥	1	¥
	< 0.260	1	≨	≦
1, 1, 2-171CH Orthone (CORS)	< 0.390	غ	≦	ī
יייייייייייייייייייייייייייייייייייייי	< 0.0740	\$	≦	¥
1, 1-Dichlorosthane (GDS)	· 1.70	≨	≦	≦
	< 0.240	\$	\$	1
1, 1-Dichlorethere	< 0.0650	¥	1	1
1;2-Dichioroethare	· 0.560	\$	≨	1
1,2-1 nordename (supplement)	< 0.260	1	3	ī
1,2-Dichloroethenes (cis & Crams) 1,2-Dichloroethenes (cis & trams) (GCMS)	۲.1.x	3	\$	1
	< 0.0650	\$	\$	1
Benzene	· 0.250	a	¥	ī
Benzene (GDS)	< 0.120	1	≦	¥
Carbon letrachioride	× 0.250	¥	*	\$
Carbon lefrachioride (sums) Chlorobenzene	< 0.200	≦	ā	1
	< 1.50	ş	\$	\$
Chloroform Chloroform	× 0.0680	1	\$	¥

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Notes: Values are reported to microgram per gram. Reported values are occurate to three significant figures.

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 or above the Certified Reporting Limit.
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above the Maximum Reporting Limit.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

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Sampte 10	HA0967S050	NA0988SO	BLC960AH	#A099048
Depth	152 ca	15 CE	06/76/CU	05/24/89
Jate	05/53/29	W(2)/69	oc/ cs/ cs	
Anal ytes				
7			;	1
Chloroford (GDIS)	° 0.290	≨	≦	S
All among I among the second to the second t	~	=	~	
DIGITATION OF THE PROPERTY OF	< 0.300	< 0.300	< 9.300	× 0.300
Dibromoch Order (wens)	< 3.12	< 3.12	< 3.12	< 3.12
Dimethyl Disultide Dimethyl Disulfide (GDMS)	< 20.0	s	≦	ž
	< 0.160	1	ş	ĭ
Ethyl Benzene	< 0.380	¥	4	£
Ethyl Benzene (GDIS)	< 9.260	ž	1	*
M-Xylene	< 0.740	\$	\$	1
M-Kytere (GDMS) Methylere Chloride	× 3.70	ş	¥	Ś
	9	4	¥	≦
Nethylene Chloride (GDMS)	2	1 1	*	<u>≨</u>
Methylisobutyl Ketone	05.7 G ×	≦ ≦	ž	4
Methylisobutyl Ketone (GDMS)	05:00 0 390	\$	¥	≦
O,P-Xylene O.P-Xylene (GDMS)	06"7 >	1	\$	≦
•	< 0.270	ž	¥	ĭ
Tetrachloroethere Tetrachloroethere (GCMS)	< 0.250	\$	\$	á

Notes: Values are reported to microgram per gram.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10	NA09675050	MADPRESO	MA096948	MA0990MB
100	152 cm	15 cm	3 68	3 6
Date	02/23/69	02/23/89	05/24/89	02/54/89
Analytes				
Volatiles				
Toluene	< 0.190	≦	¥	1
10(nene (GOIS)	< 0.250	\$	1	1
frichloroethene	< 0.140	\$	\$	1
Irichloroethene (GDRS)	< 0.540	\$	≦	¥

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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Table El Surficial and Subsurface Soil Investigative Analytical Dafa

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Sample 1D	RA0991WB	MA0992MB 3 CM	HA09934B 3 cm	11409944B 3 cm
Depth Date	02/24/89	05/24/89	05/54/89	05/54/09
Analytes				
Metals/Anions/General Chem	< 2.50	< 2.50	5.89	< 2.50
Arsenic	1	¥	1	S
Cachium	1	≨	2	4
Calcium	1	ş	\$	≦
Chromita	\$	\$	\$	\$
	i	1	¥	ī
Iran	S S	í á	£	a
Peal	i =		\$	1
Magnesium	i ≨	≦	1	≦
Manganese	× 0.0500	< 0.0500	< 0.0500	< 0.0500
	1	\$	1	\$
Potassium	 	=	≦	¥
Sodium	i S	1	\$	≦
2 inc				
Semivolatiles 1,4-Oxathiane 1,4-Oxathiane (GCMS) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) (GCMS)	< 1.74 < 0.300 0.0370 < 0.500	< 1.74 < 0.300 < 0.0118 < 0.500	< 1.74 < 0.300 0.0229 < 0.500	1.740.3000.01750.500

Rotes: Values are reported to microgram per gram.

⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

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NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample ID Depth Date Analytes	3 cm 3 cm 02/24/89	140099248 3 cm 02/24/89	3 cm 3 cm 02/24/89	3 cm 3 cm 3 cm
Semivolatiles 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCHS) 4-Chlorophenylæethyl Sulfide 4-Chlorophenylæethyl Sulfide (GCHS) 4-Chlorophenylæethyl Sulfide	0.0196 < 0.600 < 4.40 < 0.900 < 9.01	0.00416 < 0.600 < 4.40 < 0.900 < 9.01	0.0110 < 0.600 < 4.40 < 0.900 < 9.01	0.902400.6004.400.9009.0909.01
4-Chlorophenylmethyl Sulfare (GDKS) 4-Chlorophenylmethyl Sulfaxide 4-Chlorophenylmethyl Sulfaxide (GDKS) Aldrin Aldrin (GDKS)	< 0.300 R < 0.300 0.00727 < 0.300	0.3000.3000.01430.300	< 0.300 R < 0.300 0.00754 < 0.300	< 0.300 R < 0.300 0.0337 < 0.300
Atrazine (GCMS) Benzothiazole Bicyclo (2,2,1) hepta-2,5-diene (GCMS) Chlordene	< 0.300 < 2.04 #A #A 0.0458	< 0.300 < 2.0% IM IM < 0.0230	< 0.300 < 2.04 HA HA 0.0997	< 0.300 < 2.06 in in in in in in in in in in in in in
Chlordane (60%) Dicyclopentadiene	< 2.00 IS	< 2.00	< 2.00	< 2.00 FE

Reported values are accurate to three significant figures. Notes: Values are reported to microgram per gram.

-- indicates that the target analyte was not detected at or above the Certified Reporting Limit. · A

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 1D Depth Date Analytes	84.999148 3 cm 02/24/89	14,099248 3 ce 02/24/89	8,000 348 3 cm 02/24/89	3 cm 3 cm (2/24/69
Semivolatiles Dicyclopentadiene (GDNS) Dieldrin Dieldrin (GDNS) Diisopropyl Nethylphosphomate (GDNS) Dithiane	< 1.00 0.110 < 0.300 < 1.00 < 1.45	< 1.00 0.110 < 0.300 < 1.00 < 1.45	< 1.00 0.000 < 0.300 < 1.00 < 1.45	 1.00 0.250 0.300 1.00 1.45
Dithiane (GDKS) Endrin Endrin (GDKS) Mexachlorocyclopentadiene Mexachlorocyclopentadiene	< 0.400 0.0189 < 0.500 < 0.00180 < 0.600	0.4000.02330.5000.001000.600	< 0.406 0.0160 < 0.500 < 0.00180 < 0.600	0.4000.02890.5000.01300.600
Isodrin Isodrin (GCMS) Malathion (GCMS) Parathion (GCMS)	0.001102.003.000.7000.9000.600	0.001100.3000.7000.9000.600	0.001100.3000.7000.9000.600	0.001100.3000.7000.9000.600
Vapora (GCMS) Volatiles 1.1.1-irichloroethane	< 3.00 × 3.00	4 3.00 × × × × × × × × × × × × × × × × × ×	, 3.98 1	× 3.00

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit. \sim -- indicates that the target analyte was detected at or

above the Maximum Reporting Limit.

MA -- Not Amalyzed.

R -- Data did not meet quality control criteria and were rejected.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10	#MO991um	HA09924B	BA09934B	BINOSOVIE
Dept	20	2 2	3 CB	3
Date	05/24/89	05/24/89	05/54/89	02/24/89
Analytes				
Volatiles				
1,1,1-Trichloroethare (GORS)	*	ī	£	¥
1,1,2-Trichloroethane	ĭ	£	£	≦
1,1,2-Trichloroethane (GCMS)	ī	≦	3	1
1,1-Dichloroethane	£	1	£	£
1,1-Dichloroethane (GDRS)	1	≦	1	1
1. 1-bichloroethere	\$	\$	£	ā
1, 2-Dichloroethene	1	\$	≦	£
1,2-Dich(oroethure (GDIS)	\$	≦	≦	\$
1.2-Dichloroethenes (cis & trans)	¥	1	í	4
1,2-Dichloroetheres (cis & trans) (GDKS)	1	\$	ī	ĭ
Percere	ī	\$	¥	ş
Benzene (GCIS)	\$	≨	1	á
Carbon Tetrachloride	\$	\$	1	1
Carbon Tetrachloride (60MS)	\$	1	¥	¥
	1	ĭ	1	1
(SEC) and an analysis of the	1	· 3	1	ş
	•		7	4
Chloroform	£	Š	i	i

Reported values are accurate to three significant figures.

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- -- Data did not meet quality control criteria and were MA -- Not Analyzed.
 R -- Data did not m

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Table ET Surficial and Subsurface Soil Investigative Analytical Data

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	1			*
4	5 ×	8	5	3
	02/24/89	05/54/80	02/54/89	05/24/80
Date				
Analytes				
	0 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Volatiles	;	*	1	\$
Chloroform (GDS)	•	S	i	•
Dibramochloropropene	•	int .		5
A the control of control of (GDE)	× 0.300	× 0.300	. O. 300	0.300
	< 3.12	< 3.12	< 3.12	< 3.12
Dimethyl Disulfide		4	≦	\$
Dimethyl Disulfide (GDMS)				
	4	1	ž	1
Ethyl Benzene	1	1	1	\$
Ethyl Benzene (GOMS)	i 1	*	1	\$
H-Xylene	i 1	1	\$	\$
H-Xylene (GOIS)		i :	*	\$
Methylene Chloride	\$	á	Ş	i
	1	\$	\$	\$
Hethylene Chloride (GDNS)	1	≨	\$	3
Methylisobutyl Ketone		\$	1	
tyl Ke	1 1	5	1	ž
O,P-Xyiene	i :	•	2	*
O,P-Xytene (GCMS)	S	í	i	
	3	1	≦	1
Tetrachloroethene	i :	1	4	\$
Tetrachloroethene (GDRS)	≦	í	i	

Reported values are accurate to three significant figures. Notes: Values are reported to microgram per gram.

-- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil Investigative Analytical Data

3 cm 3 cm 02/24/69	1111
3 cm 3 cm 02/24/89	1111
3 CM 3 CM 02/24/89	1111
8.02/24/89	i 1 1 1
Sample 10 Depth Date	Volatiles Volatiles Toluene (GDKS) Trichloroethere Trichloroethere (GDKS)

Notes: Values are reported to microgram per gram. Reported values are accurate to three significant figures.

c -- indicates that the target analyte was not detected at

indicates that the target manyte mas interest
 above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Hot Analyzed.

R -- Data did not meet quality control criteria and were

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10 Depth Date	3 cm 3 cm 02/24/89	3 CB 3 CB 02/24/89	3 cm 3 cm 02/24/89	3 cm 3 cm 3 cm
Analytes				
Metals/Anions/General Chem	< 2.50	< 2.50	< 2.50	< 2.50
Arsenic	1	1	ī	\$
	\$	1	¥	1
	1	*	≦	1
Copper	1	¥	≦	s
	9	1	\$	1
Iron	i s	\\ \	*	≦
read .	1	\$	1	1
Magnesita	.	ş	1	≨
Manganese	< 0.0500	< 0.0500	< 0.0500	< 0.0500
	ä	1	\$	£
Potassium	i S	1	¥	1
Sodium 2 inc	1	غ	¥	1
Semivolatiles	į	ì	7 7 7	× 1.76
1,4-Oxathiane	7 1 V	>/> 0-300	< 0.300	< 0.300
1,6-Oxathiane (GCMS)	0.00474	0.00441	< 0.00200	0.00734
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) (GCMS)	< 0.500	< 0.500	< 0.500	· 0.500

Values are reported to microgram per gram. Notes:

Reported values are accurate to three significan' figures.

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were NA -- Not Analyzed. R -- Data did not m rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample ID Depth Date Analytes	3 cm 3 cm 02/24/89	84.099748 3 cm 3 2/24/89	3 cm 3 cm (02/24/69	3 cm 02/24/89
Semivolatiles 2,2-8is(perachtorophenyl)-1,1-Dichtoroethene (DDE) 2,2-Bis(parachtorophenyl)-1,1-Dichtoroethene (DDE) (GDIS) 4-Chlorophenylæethyl Sulfide 4-Chlorophenylæethyl Sulfide (GDIS) 4-Chlorophenylæethyl Sulfide (GDIS)	0.002400.6004.400.9009.01	< 0.00240 < 0.600 < 4.40 < 0.900 < 9.01	0.002400.9000.9004.409.01	0.002400.6004.400.9009.01
4-Chlorophenylmethyl Sulfane (GCMS) 4-Chlorophenylmethyl Sulfaxide 4-Chlorophenylmethyl Sulfaxide (GCMS) Aldrin Aldrin (GCMS)	< 0.300 R < 0.300 0.00713 < 0.300	< 0.300 R < 0.300 0.00304 < 0.300	< 0.300 R < 0.300 0.00269 < 0.300	< 0.300 II < 0.300 0.0264 < 0.300
Atrazine (GDKS) Benzothiazole Bicyclo [2,2,1] hepta-2,5-diene Bicyclo [2,2,1] hepta-2,5-diene (GDKS) Chlordane	< 0.300 < 2.04 84 84 84 84 84 84 84 84 84 8	< 0.300 < 2.04 NA NA < 0.0230	< 0.300 < 2.04	< 0.300 < 2.04 IM IM < 0.0330
Chlordone (GCMS) Dicyclopentadiene	< 2.00	< 2.00 MA	< 2.60	× 5.00

Þ

Motes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table El Surficial and Subsurface Soil

Sample 10	HA09964B	EA099748	MA0996LB	MA099948
Conth	2 8	3 6	3 🖴	8 %
	03/76/60	04/76/60	05/5//80	05/24/89
Date	05/54/07	10 (2.3 (2.5)		
Analytes				
A direction of the contract of				
City and in the second and the secon	× 1.00	. 1.00	. 1.00	× 1.00
	0.0550	0.0440	0.0319	0.110
טופומדיו טייייייייייייייייייייייייייייייייייי	× 0.300	< 0.300	< 0.300	< 0.300
Dieldrin (stra)	· 1.60	· 1.00	× 1.00	4 1.00
Dithiare	< 1.65	< 1.45	< 1.65	< 1.45
	907 0 >	007:0 >	× 0.400	007-0 >
	1010 0	< 0.00580	< 0.00580	0.0172
Endrin	005.0 >	· 0.500	< 0.500	< 0.500
	0.00180	< 0.00180	< 0.00180	< 0.06180
Hexachtorocyclopentadiene (GDIS)	× 0.600	009"0 >	0.600	009"0 >
			0.00	79000
Isodrin	0.00110	0.0010	9.00.0	0.30
Isodrin (GDIS)	0.30		00.70	0.700
Malathion (GDKS)	0000	006-0	006°C >	< 0.900
Parathion (GOIS) Supona (GOIS)	× 0.600	009°0 ×	< 0.600	009"0 >
Vapona (GOIS)	< 3.00	< 3.00	< 3.00	< 3.00
Volatiles 1,1,1-Trichloroethane	\$	\$	¥	£

-- indicates that the target analyte was not detected at Reported values are accurate to three significant figures.

investigative Analytical Data

or above the Certified Reporting Limit.

indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Jable El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10	HA099648	BLZ 660AH	MA099848	HA0999UB
Death	8 0 m	3 6	3 8	3 6
Date	05/54/89	05/54/89	05/24/89	05/57/80
Analytes				
Volariles				
1 1 1-Trichloroethane (GCMS)	\$	1	1	1
1.2-Trichlorethane	1	£	ž	ž
1.1.2-Trich(groethene (GDIS)	≦	≦	1	1
1.1-Dichloroethare	1	ā	ī	¥
1,1-Dichloroethane (GCNS)	1	1	1	£
1 - Dirth cornethers	ā	1	3	á
1 2-Dichloroethere	ī	≦	ž	s
1 2-Dichloroethane (GDIS)	≦	ž	≦	ĭ
1.2-Dichtoroethenes (cis & trans)	1	ž	ĭ	ī
1,2-Dichloroethenes (cis & trans) (GCMS)	ĭ	≦	ī	≨
Benjaha	s	\$	¥	\$
Designation (CTIS)	NA.	\$	\$	¥
Carton Tetrachloride	غ	ĭ	\$	≨
Carton Tetrachloride (GDS)	\$	¥	\$	ş
Chlorobenzene	¥	1	ž	¥
			;	•
Chlorobenzene (GDIS)	\$	≦	≨	≦ '
Chloroform	ī	\$	\$	\$

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

⁻⁻ indicates that the target analyte was above the Maximum Reporting Limit.

MA -- Hot Analyzed.

f -- Data did not meet quality control criteria and were

Table El Surficial and Subsurface Soil Investigative Analytical Data

<u> </u>	NA0996448	HA09974B	HA099848	HAD9994B
	20 20	3 6	5 1	5
Depth	08/7/2/20	02/24/89	05/54/89	02/54/89
Date	051530			
Analytes				
Volatiles	*	\$	\$	≦
Chloroform (GDMS)	•	~	~	~
.Dibromochloropropane	י מיז מי	× 0 300	< 0.300	< 0.300
Dibromochloropropene (GCMS)	00.0	23.2.	< 3.12	< 3.12
Dimethyl Disulfide	3.15	***	\$	\$
Dimethyl Disulfide (GCMS)	S	Š	;	
	*	ş	ş	\$
Ethyl Benzene	i	\$	AM	1
Ethyl Benzene (GC4S)	1	1	2	\$
H-Xylene	:	1	\$	≦
M-Xivlene (GCMS)	i 3	**	\$	≦
Methylene Chloride	•			
	7	ž	¥	≨
Methylene Chloride (GCMS)	i 1	¥	≦	\$
Methylisobutyl Ketone	i s	¥	\$	≨
Methylisobutyl Ketane (GCMS)		¥	¥	¥
O, P-Xylene	§ 3	1	¥	\$
O,P-Xylene (GDIS)	S	i		
	4	¥	**	≦
Tetrachloroethene	1 1	5	¥	¥
Tetrachioroethene (GCMS)	4	Ě	i	

Reported values are accurate to three significant figures. Notes: V2)ues are reported to microgram per gram.

 $\leftarrow -$ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

-- Data did not meet quality control criteria and were MA -- Not Analyzed. R -- Data did not m rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

3 cm 3 cm 02/24/89	5 5 5 5
HA099048 3 cm 02/24/89	<u> </u>
HA099748 3 cm 02/24/89	1111
3 cm 3 cm 02/24/89	111
Sample 1D Depth Date	Analytes Voistiles Toluene (GCMS) Trichloroethere Trichloroethere (GCMS)

Reported values are accurate to three significant figures. Notes: Values are reported to microgram per gram.

-- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table El Surficial and Subsurface Soil Investigative Anaiytical Data

:

•	NA120048	. MA12014B	HA1202WB	HA1203HB
Sample 10	5	5 CB	2 0	8
Depth	06/11/90	06/18/90	06/11/90	06/18/30
Date		•		
Analytes				
1				
Hetals/Anions/General Chem	, ,	CY 7	< 2.50	< 2.50
Arsenic	DC - 7		4	*
	*	≨	Ĭ	i ;
	≦	\$	≦	≦
Calcium	3	\$	4	≨
Chromium	1	\$	4	≦
Copper	i	İ		
	1	4	4	1
iran	i ;	•	\$	≦
	S	E :	1	7
	≨	¥	á	i ;
Hagnes 1 um	\$	\$	\$	S
Hanganese	0.0500	< 0.0500	< 0.0500	< 0.05€?
Hercury				
	1	¥3	≦	≦
Potassium	E :	•	\$	¥
	S	S	• •	1
	≦	≦	š	i
7117				
Semivolatiles	;	4	4	
1,4-Ouathiane	S :	i 1	¥	\$
1 4.0wethiane (GDIS)	\$	S !	. 0 00.77	0
1 2 pickerschlororhenvill-1 1.1-Trichloroethane (DDI)	< 0.00277	0.00631	1200.0 >	
2 2-Bis(parachlorothery()-1,1,1-Trichloroethane (DDI) (GCHS)	\$	¥	ž	

Notes: Values are reported to microgram per gram.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- NA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10 Depth Date Analytes	MA120048 5 cm 06/14/90	MA1201u8 5 cm 06/18/90	MA120248 5 cm 5 cm 06/14/90	14120348 5 cm 06/18/90
Semivolatites 2,2-Bis(parachlorophenyl)-1,1-vichloroethene (DDE) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GDMS) 4-Chlorophenylmethyl Sulfide 4-Chlorophenylmethyl Sulfide 4-Chlorophenylmethyl Sulfide (GDMS)	0.00 66	. 0.09566	99900 >	0.00644 An An An An An An An An An An An An An A
4-Chlorophenylmethyl Sulfane (GCMS) 4-Chlorophenylmethy' Sulfaxide 4-Chlorophenylmethyl Sulfaxide (GCMS) Aldrin Aldrin (GCMS)	HA HA 0.00211	MA MA MA < 0.00211	MA MA * 0.00211	MA MA < 0.00211
Atrazine (GDKS) Benzothiazole Bicyclo (2.2,1) hepta-2,5-diene Bicyclo (2,2,1) hepta-2,5-diene (GDKS) Chloriane	HA HA HA HA • 0.0230	HA HA HA HA O 0.0230	M M M M M M M M M M M M M M M M M M M	MA MA MA 6.0.0230
Chlordene (GDKS) Dicyclopentadiene	\$ \$	≦ ≦	3 3	\$ \$

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Analyzed.
- A -- Data did not meet quality control criteria and were

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample ID	HA12004B	HA120148	MA120248	HA120348
Denth	5 5	5	8	5
Pate	06/11/90	06/18/90	06/11/90	06/18/90
Analytes	1			
Semivolatites				;
Dicare constitutions (ECMS)	1	<u>≨</u>	*	≦
Displacing the second s	0.00223	< 0.00181	0.00706	0.0187
	\$	¥	4	á
DIELON III (BOAS)	\$	¥	a	≦
Disaprenday methylphodynamic (www.	\$	ă	\$	¥
				•
Disting (CTS)	1	≦	*	≦
	< 0.00471	< 0.00471	< 0.00471	0.03%
	\$	¥	\$	≦
	< 0.00137	< 0.00137	< 0.00137	< 0.00137
Nexaction of yellopenical issues. Nexaction of control openical issues.	1	\$	≦	\$
		90100	A 00188	0 100 10
Isadrin	001000 ×	2000 T	1	4
Isodrin (60KS)	1	í S	≦ ≦	2
Maiathion (60%)	i \$	*	¥	\$
Perathion (GDS)	i ≤	\$	ş	\$
Schools (see see		;	;	1
Vapona (GDIS)	\$	≦	š	í
Volatiles	¥#	¥	1	ş
ו'ו'ו' ויין בורכת כשנת שתפים				

Reported values are accurate to three significant figures.

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

rejected.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10 Depth Date	MA120048 5 cm 06/14/90	HA120148 5 cm 06/18/90	HA12024B 5 cm 06/14/90	MA12034B 5 cm 06/18/90
Analytes	!			
Volatiles	:	i	ă	1
1,1,1-Trichloroethane (GOMS)	\$	S :	i ;	i
1,1,2-Trichloroethane	ī	S	S ;	
1,1,2-Trichloroethame (GDMS)	≦	3	s :	S \$
1.1-Dickloroethane	S	≨	≦ ;	i i
1,1-Dichloroethane (GCMS)	1	1	á	í
	4	.	ž	ĭ
1,1-Dichloroethene	i i	1	4	≦
1,2-Dichloroethane	i	£ :	i 1	\$
•	ž	≦ '	S :	1 1
ı.	\$	ž	S	E :
1,2-Dichloroethenes (cis & trans) (GDIS)	4	£	1	Š.
	4	3	1	≦
. Benzene	i 1	ž	≨	ž
Benzene (GDIS)	i, s	3	š	¥
Carbon Tetrachloride	1 1	1	ž	¥
Carbon Tetrachloride (GDIS)		i	1	ā
Chlorobenzene	š	•	i	
	ă	\$	ž	\$
Chlorobenzene (GDS)	i i	*	**	≨
Chloroform	\$	i	i .	
•				

Reported values are accurate to three significant figures.

 $< \cdot \cdot \cdot$ indicates that the target analyte was not detect $^{\prime} d$ at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

-- Data did not meet quality control criteria and were

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Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10 Depth	HA1230UB 5 CM 06/14/90	HA120148 5 cm 06/18/90	HA1202HB 5 CB 06/14/90	NA12C348 5 cm 06/18/90
Analytes				
Volatiles	\$	≦	\$	ĭ
Chloroform (GDS)	\$	ž	\$	1
Dibranoch Loraproperie	\$	\$	4	¥
Dibromochloroproperve (EURS)	.	\$	*	¥
Dimethyl Disulfide Dimethyl Disulfide (GCMS)	1	\$	S	≨
	3	.	1	1
Ethyl Benzene	i S	\$	≦	1
Ethyl Benzene (GCMS)	i 1	1	¥	
M-Xylene	i S	₹	1	≦
M-Xylene (GCMS)	1	¥	¥	1
Methylene Chloride				
	*	¥	\$	\$
Nethylene Chloride (GDS)	.	¥	\$	≦
Methylisobutyl Ketone	1	£	4	≦
Methylisobutyl Ketone (GUS)	≦ ≦	¥	¥	\$
O,P-Nytene	i ≦	¥	\$	\$
0,P-Xylene (GUS)				
	\$	ş	\$	4
4.	W.	\$	M	≦
Tetrachloroethene (GDNS)	i			

Reported values are accurate to three significant figures.

... indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

 $MA \, \, \cdots \, \, Mot \, \, Analyzed.$ R $\, \, \cdots \, \, Data \, \, did \, not \, \, meet \, \, quality \, \, control \, \, criteria \, \, and \, \, were$ rejected.

Table El Surficial and Subsurface Soil Investigative Analytics: Data

HA120048 HA120148 HA120248 HA123548 5 cm 5 cm 5 cm 5 cm 5 cm 5 cm 6/14/90 06/18/90	
Sample 10	Volatiles Ioluene (GDIS) Trichloroethene Trichloroethene (GDIS)

Values are reported to microgram per gram. Notes:

Asported values are accurate to three significant figures.

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- MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

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Table El Surficial and Subsurface Soil investigative Analytical Data

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† i

5 cm 5 cm 5 cm 5 cm 5 cm 5 cm 5 cm 5 cm	5	NA1204UB	#A1205LB	HA120548	HA12074B
		5 CB	85 %		5 5
1.250 3.24 2.50	Jepth Jare	06/14/90	06/18/90	06/13/90	06/13/90
1.50 3.24 4.50					
C	Anarytes	:			
S) 1.1.	mions/General	i	i	60 6 7	< 2.50
## ## ## ## ## ## ## ## ## ## ## ## ##		· 2.50	5.64	or.,	
## ## ## ## ## ## ## ## ## ## ## ## ##	Senic	¥;	≦	\$	£
HA HA HA HA HA HA HA HA HA HA HA HA HA H		7	4	≨	¥
## ## ## ### ### ### ### ### ### ###	lcium	i 1	\$	¥	≨
ILA ILA		£ ;	i :	*	\$
ILA BA BA BA BA BA BA BA		≦	Ē	Ì	
ILA ILA		7	¥	ş	\$
MA MA MA MA MA MA MA MA	6	i 1	*	3	*
NA NA NA NA NA NA NA NA	7	i ;	i 1	ă	4
**************************************	nesiun	≦ ;	§ 3	1	¥
- 0.0500 - 0	asses as a second secon	á	S		00500
HA HA HA HA HA HA HA HA HA HA HA HA HA H	\.	< 0.05 00	× 0.0500	. D.CO.O	200
HA HA HA		\$	•	\$	\$
HA HA HA NA HA NA HA NA HA NA HA Actionopheny()-1,1,1-Trichloroethane (DDT)	assium	S :	i i	1	¥
## ## ## ## ***************************		4	<u> </u>	i ;	4
NA NA NA NA NA NA NA NA NA NA NA NA NA N	ų.	\$	3	í	i
NA NA NA NA NA NA NA NA	volatiles	3	4	\$	4
NA NA NA NA .0.00579 0.00579 NA NA NA	6-Chathiane	1	§	ii	4
-0.00654 0.00561 0.00579 NA NA NA		\$	≨	≦	1
HA HA HA	(-(Dath)ane (GUS)		0.00561	0.00579	0.0419
	2-Bis(paracklorophenyl)-1,1,1-Irichloroethane (bb) (6)		¥	¥	\$

Values are reported to microgram per gram. Notes:

Reported values are accurate to three significant figures.

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Table E1 Surficial and Subsurface Soil Investigative Analytical Data

	HA12044B	NA120548	MA120648	MA1207AB
	8	8 5 S	\$ 28	S G
	06/11/90	06/18/90	06/13/90	06/13/90
Analytes				
Comiton at it as				
2 2-Bis(narachlorcahenvl)-1,1-0ichloroethere (DDE)	0.0113	> 0.00466	< 0.00466	0.0226
2 2-Bis (negach) constead 1-1 1-Dichloroethere (DDE) (GDE)	\$	*	1	£
A. Chi crashumul method Sulfide	£	¥#	4	≦
- Chloropeniaethyl Suffide (COS)	\$	¥	¥	≦
	1	1		3
(2008) and for any (2008)	1	ĭ		3
	3	≦		≦
	4	¥		\$
	< 0.00211	< 0.00211	< 0.00211	< 0.00211
Aldrin (GDIS)	¥	1		1
	ž	≦	1	1
ACTELINE (CCAS)	1	ĭ	4	\$
pergolifiazore	\$	\$	≦	\$
#1Cyclo 16,6,11 repta=6,2 diene	\$	ž	≨	3
Dicyclo (4,5,1) represent the control of the contro	< 0.0230	< 0.0230	< 0.0230	< 0.0230
A STATE OF THE PARTY OF THE PAR	\$	¥	ş	1
	•	5	3	1
Dicyclapentadiene	•	í	i	

c -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table El Surficial and Subsurface Soil Impringative Analytical Data

Sample 10	MA1204MB	HA1205UB	MA120648 5 CB	HA120748 5 cm	
Depth	06/31/90	06/18/90	06/13/90	06/13/90	
Date					
Analytes					
Semivotatiles		\$	4	\$	
Dievelopentadiene (6015)	1	S !	5 00	0 00451	
	0.025	0.0167	1 .00		
Dielorin	\$	4	ş	ĭ	
Dieldrin (GDIS)	3	\$	=	≨	
Diisopropyl Methylphosphonate (GDRS)	1	¥	4	≦	
Dithiane	•				
	1	1	*	\$	
Dithiane (GCMS)	12 0 0 7	< 0.00471	< 0.00471	< 0.00471	
Endrin		*	\$	4	
Endrin (GOIS)		72100 0 7	< 0.00137	< 0.00137	
Bexach or ocyclopentadiene	\$ 0.0013		•	*	
Hexach lorocyclopentadiene (GCMS)	\$	\$	ś	í	
	× 0.00188	< 0.00188	< 0.00188	< 0.00188	•
Isodrin		\$	≨	\$	
Isodrin (GOIS)	1 1	1	\$	1	
Halathion (GOIS)	1	i S	¥	≨	
Parathion (GOIS)	£ :	i 3	*	≨	
(, ¬) exacting	í	i			
	1	\$	1	\$	
vapora (GOIS)	í				
			ļ	4 7	
voiatives	\$	¥	¥	S	

Values are reported to microgram per gram. Notes:

Reported values are accurate to three significant figures.

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MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 1D	NA1204NB	NA12054B	NA12064B	NA120748
Depth	20 0	5 S	2 2	2 6
Date	06/11/90	06/18/90	06/13/90	06/13/90
Analytes				
Volatiles				
1,1,1-Trichloroethame (GDIS)	≦	\$	5	\$
1,1,2-Trichloroethane	≨	¥	<u>.</u>	₹
1,1,2-Trichlor ethane (GDIS)	1	¥	.	\$
1, 1-Dichloroethane	¥	ĭ	1	≦
1,1-Dickloroethane (GOIS)	\$	ž	1	\$
1,1-Dichloroethere	ź	.	£	\$
1,2-Dichloroethane	ş	ş	≦	≦
1,2-Dichloroethane (GORS)	\$	172	\$	≦
1,2-Dichloroethenes (cis & trans)	\$	≦	≦	≦
1,2-Dichloroethenes (cis & trans) (GCMS)	1	1	\$	غ
Denzene	¥	ş	£	≦
Benzene (GCMS)	4	1	¥	1
Cerbon Tetrachloride	1	\$	\$	3
Carbon Tetrachloride (GOIS)	4	\$	¥	≨
Chi or obenzene	¥	≦	\$	\$
Citlorobersene (GOS)	1	á	ź	3
Chloroform	1	≦	≦	≦

Reported values are accurate to three significant figures.

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- MA -- Not Analyzed.
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Table El Surficial and Subsurface Soil Investigative Analytical Data

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ş	HA120448	HA12054B	#A12064B	HA1207NB
	8 %	2 0	2 2	2 2
	06/14/90	06/18/90	06/13/90	06/13/90
	•			
Anelytes	;			•
Velation				
	1	돌	¥	1
Nibrarch Constronts	≦	¥	¥	£
	\\ \	\$	1	¥
Distriction of the common of t	1	ş	ž	\$
Dimethyl Disulfide (GDS)	ā	¥	\$	£
	3	1	1	\$
Ethyl Benzene	ia	.	4	≦
Ethyl Benzene (GJS)	≦ ≦	3	\$	\$
H-Aylone	\	ş	\$	¥
Methylene Chloride	\$	¥	1	≦
	•	\$	3	1
Methylene Chloride (GORS)	 	.	\$	\$
Methyl isobutyl Ketone	i s	3	1	3
Methylisobutyl Ketone (u.m.)	.	\$	1	≦
O,P-Xy(ene O,P-Xy(ene (GOMS)	\$	4	\$	\$
	;	;	i	**
Tetrachloroethene	š	₹	S	i i
Tetrachioroethene (GCMS)	1	ž	a	š

Motes: Values are reported to microgram per gram.

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- -- Data did not meet quality control criteria and were MA -- Not Analyzed. R -- Data did not M rejected.

Table E1 Surficial and Subsurface Soil Investigative Analytical Data

Sample 10 Depth Date	HA12044B 5 CB 06/14/90	HA12054B 5 cm 06/18/90	3 CB 5 CB 06/13/90	MA1207UB 5 cm 06/13/90
Analytes				
	1	3	S	\$
Toluene	í S	. .	1	1
Trichleroethere	\$	4	1	≦ :
Trichlaroethene (GOIS)	≦	S	ş	\$

Notes: Values are reported to microgram per gram. Reported values are accurate to three significant figures.

... indicates that the target analyte uss not detected at

or above the Certified Reporting Limit.

> -- indicates that the target amalyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

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Table El Surficial and Subsurface Soil Investigative Analytical Data

	MA 120848	NA120948	HA1210UB	HA121148
Sample 10	2 8	5 CB	ð	
Depth	06/13/90	06/18/90	06/18/90	06/13/90
Date				
Analytes				
			4	5
Metals/Anions/General Unem	2.84	< 2.59	< 2.50	06.3
Arsenic	1	¥	4	≦
Cadmium	1	¥	≦	ڇ
Calcium	í S	ž	¥	₹
Chromium	i ≦	ž	ş	\$
Copper	İ			
	4	≦	¥	ž
<u>Iran</u>	i 1	\$	¥	≦
peal	i =	\$	¥#	¥
Hagnesium	í	¥	±	¥
Mangantese	0.0500	< 0.0500	< 0.0500 ×	< 0.0500
Hercury				
	7	*	¥	¥¥
Poteesium	i 1	\$	¥	¥
sodium	.	\$	ş	¥
Zinc	i			
Semivolatiles		\$	¥	¥
1,4-Oxathiane	i 1	\$	\$	≨
1,4-Omathiame (GCMS) 2,2-Bis(parachlerophemyl)-1,1,1-Trichloroethame (DDI) 2,2-Bis(parachlorophemyl)-1,1,1-Trichloroethame (DDI) (GCMS)	0.00376 MA	0,00743 MA	0.0106 NA	0.00349 NA

-- indicates that the target analyte was not detected at Reported values are accurate to three significant figures.

> -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

-- Data did not meet quality control criteria and were MA -- Not Analyzed. R -- Data did mot m

rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 1D Depth Date Analytes	1 MA1208MB 5 CB 06/13/90	MA120948 5 cm 06/18/90	NA121048 5 cm 06/18/90	MA121148 5 cm 06/13/90
Semivolatiles 2,2-Bis(parachlorophenyl)-1,1-Dickloroethene (DDE) 2,2-Bis(parachlorophenyl)-1,1-Dickloroethene (DDE) (GDNS) 4-Chlorophenylmethyl Sulfide 4-Chlorophenylmethyl Sulfide (GDNS) 4-Chlorophenylmethyl Sulfide	99700.0	< 0.00466 NA NA NA NA	0.00466 NN NN NN NN	0.00666 M M M M M M M M M M M M M M M M M M
4-Chlorophenylmethyl Sulfane (GDKS) 4-Chlorophenylmethyl Sulfaxide 4-Chlorophenylmethyl Sulfaxide (GDKS) Aldrin Aldrin	#A # ## * 0.00211	MA MA < 0.90211	MA MA 0.00571	MA MA < 0.00211
Atrazine (GCNS) Benzothiazole Bicyclo [2,2,1] hepta-2,5-diene Bicyclo [2,2,1] hepta-2,5-diene (GCNS) Chlordene	MA MA MA WA WA WA WA WA WA WA WA WA WA WA WA WA	NA NA NA NA < 0.0230	HA HA HA + 0.0230	HA HA HA HA < 0.0230
Chlordene (GCMS) Dicyclopentediene	\$ \$	Y X	\$ \$	5 5

Reported values are accurate to three significant figures. Motes: Values are reported to microgram per gram.

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R -- Data did not m

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Table El Surficial and Subsurface Soil Investigative Analytical Data

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Sample ID Depth Date Analytes	HA1200MB 5 cm 06/13/90	NA120948 5 cm 06/18/90	HA121048 5 cm 06/18/90	KA12114B 5 cm 06/13/90
Semivolatiles picycle stadiene (GCMS) Dieldrin	0.0108	0.0111	NA 0.0148 NA	BIA 0.00803 BIA
Dielogrin (u.ms.) Diisopropyl Methylphosphonate (GCMS) Dithiane	4 4	4 4	\$ \$	5
Dithiere (GDMS) . Endrin	MA < 0.00471	NA 0.00471	0.0111	MA < 0.00671 MA
Endrin (bulks) Hexachlorocyclopentadiene Hexachlorocyclopentadiene (GCMS)	< 0.00137	< 0.00137	0.00270 NA	
Isodrin Isodrin (GDRS) Hatathion (GDRS) Perathion (GDRS) Supone (GDRS)	* 0.00186	< 0.00138 *** . *** . ***	0.00353 ILA ILA ILA ILA	0.00188IIAIIAIIAIIAIIA
Vapona (GDKS) Volatiles 1,1,1-Trichloroethane	1	\$ \$	\$ \$	1 1

Reported values are accurate to three significant figures. Notes: Values are reported to microgram per gram.

^{...} indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

0 e 10	HA1208NB	HA12094B	HA1210LB	HA121148
£ 100	5 GB	5 CB	8	2 5
	06/13/90	06/18/90	06/18/90	06/13/90
3 5				
		•		
Volatiles				
1.1.1-Trickloroethane (GOIS)	1	≨	1	≨
1 1.2-Trichlorethane	4	≦	粪	1
1 1 2-Trichlomethane (GDMS)	=	≦	≨	≦
1 1-Dichloroethane	\$	≦	\$	≦
1,1-Dichloroethare (GDAS)	¥	1	1	į
	4	\$	\$	S
1,1-Dichioroethere	i 3	=	\$	≦
	i 1	1	¥	غ
1,2-Dichloroethane (GDS)	i s	i S	1	\$
1,2-Dichionoetheres (CIS & Trans)	S, I	i i	: :	1
1,2-Dichtoroethenes (cis & trans) (GCMS)	ž	1	1	í
- The state of the	ž	\$	\$	ĭ
	\$	≦	¥	¥
United (united pride	1	\$	¥	≨
Call Date Tabanda Calles	\$	\$	¥	¥
	1	*	3	₹
Chlorobenzene	i	İ	i	•
	\$	3	1	±
	1	**	=	×
Chloroform	<u>s</u>	Š	i	

Reported values are accurate to three significant figures. Notes: Values are reported to microgram per gram.

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> .. indicates that the target analyte was detected at or or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not #

-- Data did not meet quality control criteria and were

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Table El Surficial and Subsurface Soil Investigative Analytical Data

•	HA120648	HA120948	HA121048	HA121148
Sample 10	5	S CM	5 C	2
Oepth	00/21/70	06/18/00	06/18/90	06/13/90
Date	00 (C) (O)			
Analytes				
Volatiles	≦	\$	≨	≨
Chloroform (GDS)	1	\$	≨	¥
Dibramochloropropene	1	1	\$	¥
Dibromochloropropene (GCMS)	i \$	\$	\$	¥
Dimethyl Disulfide	i s	1	*	4
				•
	≤	≨	1	4
Ethyl Benzere	4	\$	ī	¥
Ethyl Benzene (GDMS)	i 1	\$	ĭ	\$
H-Xylene	i S	1	¥	\$
H-Xylene (GDIS)	1	\$	\$	±
Hethylene Chloride	í	İ		
	*	1	\$	¥
Methylene Chloride (GCMS)	i s	≦	4	¥
Methylisobutyl Ketone	.	3	5	\$
Methylisobutyl Ketone (GDRS)	i s		\$	¥
D,P-Xylene	i f	4	\$	≨
0,P-Xy(ene (GDRS)	í	i		
	\$	¥	Ą	\$
Tetrachloroethere	i ;	4	×	\$
Tetrachloroethene (GDFs)	Ĭ	į		

Reported values are accurate to three significant figures. Values are reported to microgram per gram. Kotes:

- $< \cdots$ indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- -- Data did not meet quality control criteria and were NA -- Not Analyzed. R -- Data did not rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample ID Depth Date Analytes	MA120BMS 5 cm 06/13/90	HA1209us 5 cm 06/18/90	MA121048 5 cm 06/18/90	HA121148 5 cm 06/13/90
Volatiles Toluene (GDRS) Trichloroethene Trichloroethene (GDRS)	1111	1111	1111	1111

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not neet quality control criteria and were

Personad.

Table El Surficial and Subsurface Soil Investigative Analytical Data

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	HA12124B	HA121348	HA1214UB	HA1215UB
Sample 10	5	5 6	2 CB	S 68
Depth	06/18/90	06/13/90	06/11/90	06/18/90
Date				
Analytes				
Metals/Anions/General Chem		2.5	< 2.50	< 2.50
Arsenic	DC'7 >		3	\$
	¥	S	i :	i s
	≦	≦	S	i :
	≦	\$	\$	¥
Chronica	4	4	4	≦
Copper				
	*	≦	¥	¥
Iran	i 3	\$	ş	≨
Lead	i 2	4	¥	₹
Nagnesium	i ;	i 1	\$	≦
Manganese	S	1 1 1 1 1 1 1 1 1 1	U USUU	0.0503
Mercury	× 0.0500	0.000	2000	
	1	4	≦	≦
Potassium	•	\$	¥	\$
Sodium	1 1	i s	¥	4
2 inc	í	İ		
Sesivolatiles	1	4	\$	\$
1,4-0xathiane	S :	i 1	¥.	₹
1,4-0xathiane (GDKS) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethare (DDI) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethare (DDI) (GDKS)	< 0.00277	< 0.00277	0.00793 NA	< 0.00277 NA

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

c -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

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NA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample '0 Depth Detc Yes	NA1212MB 5 CE 06/18/90	MA1213MB 5 cm 06/13/90	MA121448 5 cm 06/14/90	MA121548 5 CB 06/18/90
mivolatiles 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS) 4-Chlorophenylmethyl Sulfide 4-Chlorophenylmethyl Sulfide (GCMS) 4-Chlorophenylmethyl Sulfide	0.00466 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	< 0.00466	0.0	< 0.00466
4-Chlorophenylmethyl Sulfone (GDIS) 4-Chlorophenylmethyl Sulfoxide 4-Chlorophenylmethyl Sulfoxide (GDIS) Aldrin Aldrin (GCIS)	MA MA MA < 0.00211	NA NA NA < 0.00211	0	# # # # # # # # # # # # # # # # # # #
Atrazine (GDMS) Benzothiazole Bicyclo [2,2,1] hepta-2,5-diene GDMS)	## ## ## ## \$ 0.0230	HA HA HA HA < 0.0230	NA NA NA NA 0.0230	HA HA HA + 0.0230
Chlordene (GDMS) Dicyclopentadiene	\$ \$	¥ ¥	\$ \$	4 4

 $\boldsymbol{\epsilon} ext{ ---} indicates that the target analyte was not detected at$ Reported values are accurate to three significant figures. or above the Certified Reporting Limit. Notes: Values are reported to microgram per gram.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

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R -- Data did not meet quality control criteria and were 8. .

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Table El Surficial and Subsurface Soil Investigative Analytical Data

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	NA121218	HA12134B	KA1214WB	HA1215UB
tion of	5	5	5 %	5 cm
Date	06/18/90	06/13/90	06/14/90	06/18/90
Analytes				
Camium at 21 ac				
Discontinuity (CDS)	\$	\$	≨	¥
	0.00467	0.00294	0.00399	0.00222
Distriction (CTC)	\$	≦	¥	.
Diiconnovi Nethylphosobonate (GDS)	\$	4	\$	ž
Dithiane	≦	4	≦	¥
	*	≦	≨	≦
	12730 /	< 0.00471	< 0.00471	< 0.00471
Endrin			1	1
Endrin (GDIS)	≨	≦	\	•
Hexach lor ocycl opentadiene	< 0.00137	< 0.00137	< 0.00137	< 0.00137
Mexachlorocyclopentadiene (GDMS)	1	.	ş	≦
Israelia	< 0.09188	< 0.00188	0.00256	< 0.00188
Indein (CDS)	\$	≦	¥	≨
Malathier (CDS)	\$	¥	×	\$
Darathing (COMS)	3	¥	¥	≨
Supona (GOIS)	\$	\$	4	\$
Vapora (GOIS)	ş	¥	\$	s
Volatiles 1,1,1-Trichloroethane	¥	ş	₹	1

Notes: Values are reported to microgram per gram.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

Service 10	MA121248	HA121348	HA1214UB	NA1215MB
Proof.	S CB	5 cm	5	5 CB
Date	06/18/90	06/13/90	06/14/90	06/18/30
Analytes				
Volatiles				
1.1.1-Trichtoroethane (GOPS)	\$	≦	≨	¥
1,1,2-Trichtoroethane	1	≦	¥	¥.
1.1.2-Trichloroethane (GOIS)	1	\$	غ	¥
1.1-Dichloroethane	ž	á	≦	£
1,1-Dichloreethane (GDRS)	a	≦	¥	¥
1 1-Dichloroethere	ŧ	1	≦	≦
1.2-Dicht groethane	4	1	≨	\$
1 2-Dichtoroethane (GDS)	≦	¥	≦	≨
1 2-Dichlomethenes (cis & trans)	1	ş	≨	¥
1,2-Dichloroethenes (cis & truns) (GOMS)	4	3	\$	≨
Party ente	\$	¥	4	1
Benzene (ETIK)	4	¥	≨	4
Cachen Tetrachloride	\$	¥	4	\$
	2	A	¥	ĭ
	\$	\$	ş	¥
(2012) amendment (2012)	\$	¥	ş	¥
	≦	\$	¥	¥

Reported values are accurate to three significant figures.

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
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Table El Surficial and Subsurface Soil Investigative Analytical Data

.	NA12124B	HA121348	HA1214UB	HA12:548
Sample ID	5	2 8	2 6	2 2
Depth	06/18/90	06/13/90	06/14/90	06/18/90
Date	i			
Anelytes	:			
	1	≨	4	¥
Chloroform (GOS)	1	≦	\$	¥
Dibramochloropropene	1	¥	\$	≨
Ditramochloropropane (GCMS)	•	S	ī	\$
Dimethyl Disulfide	i s	N.	≦	¥
Dimethyl Disultide (GUNS)				
	\$	\$	I	¥
Ethyl Benzene	3	3	\$	¥
Ethyl Benzene (GDIS)	1	ž	\$	\$
M-Xylene	i s	≦	\$	≦
K-Xylene (GDNS)	i 3	ş	\$	≨
Methylene Chloride	į			
	1	¥	4	¥
Methylene Chloride (GCMS)	i s	2	≨	¥
Methylisobutyl Ketone	≨	ş	1	¥
Methylisobutyl Ketone (GONS)	***	KX	¥	4
0,P-Xylene	i s	\$	\(\frac{1}{2}\)	4
O,P-Xylene (GDMS)	Ē	i		
	\$	₹	H	¥
Tetrachloraethene	1	4	≦	\$
Tetrachloroethene (GCMS)	£	i		

- .-. indicates that the target analyte was not detected at or above the Certified Reporting Limit.
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Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 1D Depth Date	MA1212MB 5 cm 06/18/90	NA121348 5 cm 06/13/90	HA12144B 5 cm 06/14/90	MA121548 5 cm 06/18/90
Analytes				
Volatiles	≨	¥	¥	\$
Toluene	•	≨	\$	*
Toluene (GDIS)	1	\$	\$	¥
	i 3	4	ž	*
Trichloroethere (eths)				

Reported values are accurate to three significant figures.

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 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Analyzed.
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table E1 Surficial and Subsurface Soil investigative Analytical. Data

	HA12:648	HA1217UB	HA1218WB	HA12194B
Sample 1D	2 0	S CB	8 5	5
Depth	06/18/90	06/18/90	06/15/90	06/12/90
Date				
Analytes				
was to the Control (Net		1	6	7 T
	< 2.50	< 2.50	DC 77	;
Arsenic	¥	4	≨	≦
Cachrium	1	\$	¥	¥
Calcium	i s	4	M	≨
Chronium	1	¥	4	₹
Copper	•			
	\$	¥	¥	≨
lron	i i	1	¥	≨
	1	Ě	•	4
peal .	≨	\$	≦	£ ;
Magnesium	¥	*	*	S
Hanganese	< 0.0500	< 0.0500	< 0.0500	0.0500
Mercury				
	3	¥	₹	¥
Potassium		*	¥	ĭ
Sodium	i s	*	¥	¥
Zinc	i			
Semivolatiles	1	\$	\$	ş
1,4-0xathiane	E 2	1	\$	£
1,4-Oxathiame (GDMS)	< 0.00277	< 0.00277	< 0.00277	< 0.00277
2.2-8is(parachlorophenyl)-1,1,1-Trichloroethane (DDI) (GCMS)	¥	š	§	

Notes: Values are reported to microgram per gram. Reported values are accurate to three significant figures. < -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

above the Maximum Reporting Limit. MA -- Not Analyzed.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

•	MA121648	HA1217MB	NA121848	HA121948
	200	2 CB	200	25
Depth Date	06/18/90	06/18/90	06/12/90	06/11/90
Analytes		•		
Sometimes (DE)	< 0.00466	99700.0 ×	< 0.00466	× 0.00466
Z,Z-81S(parachorovivi), i. Dichlorovivor (005)	≦	\$	≦	\$
	\$	4	≨	4
4-Chloropherytaethyl sulffoe	≤	\$	\$	≦
4-Chloropherylaethyl Sulione 4-Chloropherylaethyl Sulione	1	\$	1	ī
A STATE OF THE STA	1	\$	\$	¥
4-Chlorophenylmethyl Sulfdre (w.r.s.)	S	ž		¥
4-Chiorophenytmethyt Sutfaktoe	1	¥	≦	≨
4-Chloropherylmethyl Sulfaxide (GURS)	× 0.00211	< 0.00211	< 0.00211	< 0.00211
Aldrin (2005)	1	¥	\$	¥
	3	4	≨	ş
Atrazine (GDS)	i a	.	¥	*
Benzothiazole	1	\$	≦	1
Bicyclo [2,2,1] hepta-2,5-diene	1	*	3	¥
Bicyclo (2,2,1) hepta-2,5-diene (60%)	< 0.0230	< 0.0230	< 0.0230	< 0.0230
			,	1
	4	¥	\	≦
Carlot Carlot (Carlot)	3	\$	ĭ	ī
Dicy: topolitation: one				

Notes: Values are reported to microgram per gram.
Reported values are accurate to three eignificant figures.

<--- indicates that the target analyte was not detected at

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or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or

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R -- Data did not meet quality control criteria and were

Table El Surficial and Subsurface Soil Investigative Analytical Data

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	HA121648	MAIZITMB	NA12184B	HA121948
	5	8 5	8	5
Odpin	06/18/90	06/18/90	06/12/90	06/15/90
Analytes				
	:	٠		
Semivolatiles	•	4	3	\$
Dicyclopentadiene (GCMS)	A CO. C.	, o miles	< 0.00181	9,00315
Dieldrin	0.00C3C		1	4
Dieldrin (GDNS)	5 3	í s	3	\$
Diisopropyl Methylphosphonate (GUS)	i≨	±	≦	\$
	;	1	\$	4
Dithiane (GCMS)	\$ 100 G	. 0.00.71	< 0.00471	< 0.00471
Endrin	1/03.0 v		4	¥
Endrin (60%)		7 0 00 X	< 0.00137	< 0.00137
M exachl orocycl opentadiene	75100 S		1	***
Mexachlorocyclopentadiene (GDNS)	£	≦	i	i
:	< 0.00188	< 0.00188	< 0.00188	< 0.00186
Isodrin	***	¥	¥	4
(sodrin (GDRS)	.	≨	¥	≨
Halathion (GUNS)	•	ž	≦	≦
· Parathion (GDIS)	i 3		*	1
Supone (6CMS)	Ĭ			•
Vapone (GCRS)	¥	\$	1	\$
Volatiles 1,1,1-Trichloroethane	\$	¥	≦	\$

Notes: Values are reported to microgram per gram.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

	IIA12164B	MA121748	HA1218UB	NK121948
Sample 10	5	2 3	2 8	5 .
Depth	ID/81/30	06/18/90	06/12/90	06/12/90
Date				
Analytes				
Volatiles		;	1	1
A total conthese (CMS)	1	š	S :	i :
	£	≦	≦	S :
ן, ז, 2- ורוכחנסיטפנואפייב	1	غ	1	\$
1,1,2-Trichloroethere (6CMS)	i :	3	\$	4
1,1-Dichloroethane	i ;	1	Ψu	₹
1,1-bichlaroethare (GDIS)	=	•	ţ	
	1	1		ī
1,1-Dichloroethere	i :	i 3	1	¥
1,2-Dichloroethane	S :	i :	\$	¥
1,2-Dichloroethane (GDIS)	S :	i i	*	1
1,2-Dichloroethenes (cis & trans)	S :	: :	i 1	\$
1,2-Dichloroethenes (cis & trans) (GONS)	s	š	İ	
	1	\$	\$	\$
Benz ene	i 1	1	\$	1
Benzene (GDIS)	i i	1	3	¥
Carbon Tetrachloride	i i	i s	3	≦
Carbon Tetrachloride (GDMS)	s ;	: :	i 3	\$
Chlorobenzene	\$	£	i	
	1	1	\$	1
Chiorobenzene (GCHS)		1	\$	≦
Chloroform	i			

-- indicates that the target analyte was not detected at Reported values are accurate to three significant figures. Notes: Values are reported to microgram per gram.

- > -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.
 - above the Maximum Reporting Limit. MA -- Not Analyzed.
- -- Data did not meet quality control criteria and were

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Table El Surficial and Subsurface Soil Investigative Analytical Data

1

	MA121648	KA121748	HA121848	HA121948
Sample 10	\$	S CB	2 68	5
Depth	00,817.70	06/18/90	06/12/90	06/12/90
Date	00 /01 /00			
Analytes				
			;	4
VOIGHT I CO	1	≦	≦	S :
Chlorotorn (GCPS)	4	≦	≨	≨
Dibromochloropropane	1	\$	¥	≨
Dibromochloropropene (GCMS)	1 1	i a	\$	¥
Dimethyl Disulfide	i :	i 1	\$	\$
Dimethyl Disulfide (GCMS)	ś	į		
	1	4	¥	¥
Ethyl Benzene	i 3	1	ş	\$
Ethyl Benzene (GCMS)	i	S	ş	1
H-Xylene	i :		≦	≨
M-Xylene (GOMS)	§ \$	\$	\$	\$
Hethylene Chloride	í	į		
	1	\$	\$	<u>.</u>
Methylene Chloride (GCMS)	i 1	~	≨	Ä
Methylisobutyl Ketone	i 1	4	ī	¥
Methylisobutyl Ketone (GCMS)	1 1	*	\$	¥
0,P-Xylene	i :	i s	≨	*
0,P-Xylene (GDMS)	í	į		
	1	\$	\$	1
Tetrachloroethene	.	ž	4	¥
Tetrachloroethene (GOMS)	i			

Reported values are accurate to three significant figures. Values are reported to microgram per gram. Notes:

⁻⁻ indicates that the target analyte was not detected at -- indicates that the target analyte was detected at or or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

MA -- Mot Analyzed. R -- Data did not meet quality controt criteria and were rejected.

Sample 10	NA1216NB	MA1217AB	#A1218#B	NA121948
Depth	5 68	S C	8 8	5 CB
Date	06/18/90	06/18/90	06/12/90	06/12/90
Analytes				
Volatiles				
Toluene	≦	1	ş	\$
Toluene (GOTS)	¥	\$	\$	ş
Trichtoroethene	ī	1	1	ž
Trichtoroethene (GOIS)	¥	S	≦	≦

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

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Table El Surficial and Subsurface Soil Investigative Analytical Data

1

	MA122048 5 cm 06/15/90	HA122148 5 CB 06/15/90	NA122248 5 CM 06/14/90	NA122348 5 CM 06/14/90
Metals/Anions/General Ches	2	< 2.50	2.61	< 2.50
	5	=	*	≦
	i i	íź	1	1
	i :	1 1	1	\$
	i 3	1	4	1
	i			
	\$	1	¥	1
	1	ž	ĭ	1
	1	¥	ĭ	1
	1	\$	ĭ	¥
	00500	· 0.0500	0.142	0.0719
	\$	\$	\$	\$
	*	*	á	\$
	1	Ş	¥	1
	í			
	4	≨	\$	ă
	: :	1	1	≨
1,4-Oxathiane (GCMS) 2,2-Bis(parachlorophenyl)-1,1,1-Irichloroethane (DDI) 2,2-Bis(parachlorophenyl)-1,1,1-Irichloroethane (DDI) (GCMS)	* 0.00277	0.0103 MA	0.0221	0.00514 MA

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

^{...} indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or allowe the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

	NA122048	MA12214B	MA1222MB	NA122348
	8	5	S C	20.00
Depth	06/12/90	06/15/90	06/11/90	06/11/90
Analytes				
Semivolatiles 2. 2. ninconnection (DDE)	99700.0 •	< 0.00466	99700'0 ×	99 900.0 >
c, c-biston contraction, i, i, i, i, i, i, i, i, i, i, i, i, i,	\$	\$	≨	£
C.C.BIS(paramition upward) 1, 1, stemporary control of the control	\$	¥	1	≦
4-Children y carry control	1	≦	\$	¥
4-Chlorophenylmethyl Sulfone	1	ş	4	≦
	1		£	
4-Chlorophenylaethyl Sulfone (wurs)	≦	1	\$	
4-Chloropherytaethyt Setroktoe	.		¥	
4-Chlorophenylmetnyl surfaktor (achs)	< 0.00211		< 0.00211	
Atdrin (GDIS)	\$	4	1	
	1	\$	≦	1
Atrazine (GDS)	i S	1	\$	1
Benzothiazole	=	ĭ	\$	4
Bicycle (2,2,1) hepta-2,5-diene	i s	ž	\$	\$
Bicyclo (2,4,1) mepta-2,3-dishe (accs) Chlordane	< 0.0230	< 0.0230	< 0.0230	< 0.0230
	4	\$	ş	\$
Chlordene (EDE)	i 1	\$	4	*
Dicycl opentadiene	1	<u> </u>	i	

Reported values are accurate to three significant figures. Notes: Values are reported to microgram per gram.

-- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Anelyzed.

R -- Data did not meet quality control criteria and were

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Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10	MA122048	MA122148	MA122248 5 CB	HA1223MB 5 CM
Depth	06/15/90	06/51/90	06/11/90	06/11/90
Date				
Arbitico				
Semivotatiles	4	\$	1	ĭ
Dicyclopentadiene (GDIS)	× 0.00131	0.00361	0.0131	0.90749
Dieldrin	7	ž	¥	1
Dieldrin (GDS)	: 1	¥	2	≨
Diisopropyl Methylphosphonale (GJRS) Diehiams	1	ĭ	\$	ş
	1	.	3	\$
Dithiane (GDIS)	< 0.00671	< 0.00471	< 0.00471	< 0.00471
Endrin	1	\$	≦	\$
Endrin (GOIS)	< 0.00137	< 0.00137	< 0.00137	< 0.00137
Hexachlorocyclopentadiene Nexachlorocyclopentadiene (GDIS)	3	\$	\$	ī
	!		38100 0	< 0.00188
Isothia	< 0.00188	× 0.00188	00100	
	ĭ	¥	≦	£
Isodrin (GDS)	1	3	≦	¥
Melathion (GDS)	\$	ž	3	¥
Parathion (GDIS)	i 1	≦	≦	¥
Suporne (GDIS)	i			
Vaporia (GDRS)	\$	\$	ž	≨
Volatiles 1,1,1-Trichloroethane	Ş	≨	¥	\$

Values are reported to microgram per gram. Notes:

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

rejected.

-- Data did not meet quality control criteria and were NA -- Not Analyzed. R -- Data did not --

Table E1 Surficial and Subsurface Soil Investigative Analytical Data

•	WA1220UB	IN 122 TUB	IA122248	IA12234B	
di alders	2	2	8	5 6	
Depth Date .	06/15/90	06/15/90	06/14/90	06/14/30	
Analytes					
Volatilles	≤	\$	1	¥	
1,1,1-Trichlordethane (w.ns.)	1	3	1	¥	
1,1,2-Irichloroethane	*	ź	*	ĭ	
1,1,2-Trich(oroethane (GDS)	1	¥	\$	¥	
1,1-Dichloroethane	i ≤	¥	\$	\$	
1,1-Dichtoroethane (stab)					
	1	ş	1	≦	
	1	4	ā	\$	
	i 1	\$	1	1	
1,2-Dichlaroethane (GDS)	1	1	1	±	
1,2-Dichloroethenes (cis & trans)	i :	1	3	\$	
1,2-Dichloroethenes (cis & trans) (GDIS)	i	i	i		
	\$	1	¥	≦	
Berzere	i 2	1	1	¥	
Benzene (CDIS)	i 1	1	\$	1	
Carbon Tetrachloride	i i	i :	1	\	
Carbon Tetrachloride (GDMS)	≦ ;	1	1	\$	
Chlorobenzene	1	i	i	1	
	\$	\$	\$	ş	
Chlorobengene (GJRS)	1	1	*	4	
Chloroform	í	i			

Reported values are accurate to three significant figures. Motes: Values are reported to microgram per grams.

-- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target ana.,.e was detected at or above the Maximum Reporting Limit.

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-- Data did not meet quality control criteria and were j MA -- Not Analyzed, R -- Data did not

Table El Surficial and Subsurface Soil Investigative Analytical Data

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	06/11/30
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Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

3

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

Table E1 Surficial and Subsurface Soil Investigative Analytical Data

= 7	MA122048	HA12214B	HA1222HB	HA122348
	5	2 8	8 8	8
Deptu	90, 30, 70	74,45,00	06/71/90	06/17/90
Date	04/61/90	20/12/20		
Analytes				
Volatiles		;	i	3
Tolinate	\$	≨	š	1
	¥	≦	¥	≦
	1	7	\$	\$
Trichloroethene	S	i ;	i i	•
Irichloroethene (GOIS)	ş	1	í	i

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at

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or above the Certified Reporting Limit. $\,\,\cdot\,\,\cdot\,\,$ indicates that the target amalyte was detected at or

above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

Table El Surficial and Subsurface Soil Investigative Analytical Data

4

A state

ar a long a	HA12244B	HA122548	NA122648	HA122.148
4	5 68	5 CB	2 C	5 5
	06/14/90	06/14/90	04/05/00	06/20/20
Analytes				
mosic/Anjone/Cananal (Tem				
	4.41	3.51	< 2.50	< 2.50
Assuc	\$	¥	· 1.20	< 1.20
	\$	4	\$	ş
	1	ş	15.5	13.1
Caronical	1	4	10.1	11.1
<u> 1</u>	4	¥	1	\$
	\$	\$	9.07	27.0
	≦	3	\$	¥
Nagres I Un	ā	1	MA	¥
	0.142	0.325	< 0.0500 ×	0.0500
Mercuny	!			
	¥	¥	KA	¥
	\$	1	*	≦
Zine	1	\$	89.3	61.2
Semivolatiles	;	i	1	*
1.4-Oxathiane	≦	£	í	i
(Comptions (COME)	≦	¥	× 0.300	× 0.300
	n onSn7	0.00865	0.0192	90.00
2,2-Bis(parachlorophenyl)-1,1,1-1:1cn(oroethane (uvi)		=	0 500	< 0.500
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GUS)	Ş	Ş	,	

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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- MA -- Not Analyzed. R -- Data did not seet quality control criteria and were

rejected.

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at a long a	HA12244B	MA12254B	HA12264B	HA12274B
The state of the s	~	2 6	2 4	5
Date	06/14/90	06/11/90	07/05/90	04/03/90
Analytes				
Semivolatiles	× 0.00466	< 0.00466	0.0561	0.00478
2,2-815(paramin upranti) - 1,1 Dichlorecthere (DDF) (GCNS)	\$	\$	009'0 >	< 0.600
Contraction of the Contraction o	≦	\$	¥	\$
4 - Children Janetry (2018)	1	\$	< 0.900	< 0.900
	\$	¥	≦	ī
(SEE) and back and an extended to the second	1	2	< 0.300	< 0.300
	\$	¥	4	¥
	\$	1	< 0.300	< 0.300
opneny imerny i	< 0.00211	< 0.00211	< 0.00211	0.00533
Aldrin (GDIS)	≦	4	< 0.300	< 0.300
	. 1	3	< 0.300	< 0.300
Atrazine (GUS)	i a	3	\$	≨
Benzothiazole	i s	\$	\$	¥
Bicyclo [2,2,1] hepta-2,2-diene	1	¥	≦	MA
Bicyclo (2,5,1) repta-2,5-urene (a.c.) Chlordane	< 0.0230	< 0.0230	0.520	< 0.0230
A SHEAT AND THE PARTY OF THE PA	ş	£	7.71	< 2.00
	*	4	≨	≦
Dicyclopentadiene	f	į		

Reported values are accurate to three significant figures.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

	Investigative Analytical part	מוסוגוורפו מפום		
	4 17661411	HA122548	HA122648	HA122748
Cresion 10	94.221.AE		8 5 S	5
	5.	5	. !	00, 20, 20
Depth	06/14/30	06/11/90	04/05/40	04/00/10
Date				
Analytes				
caeivnatiles	1	1	1.00	< 1.00
nimel mentadiene (GOIS)	4	C 700 0	0.000	0.0160
	0.00775	6.00	200	002.0
Dieldrin	**	4	. U. Mu	
Dieldrin (GCMS)	\$	¥	· 1.00	
Diisopropyl Methylphosphonate (GCMS)	3	¥	≨	≨
Dithiane	I			
	1	¥	007.0 >	> 0.400
Dishings (SCHS)	S	0 004.71	0.390	0.00659
	C 90.00 >	- 1400.0 v		905 0 7
Endrin	\$	ş	< 0.50U	00.0
Endrin (GOMS)	< 0.00137	0.0203	< 0.00137	< 0.0015/
Hexachlorocyclopentadiene	3	¥	009.0.	009.0 >
Hexachlorocyclopantadiene (GCMS)	í			
	< 0.00188	< 0.00188	< 0.00188	< 0.00188
Isodrin		¥		× 0.300
Isodrin (GCMS)	í	£		× 0.700
Malathion (GCMS)	i 3	¥		× 0.900
parathion (GDIS)	i 3	\$		× 0.600
Supports (GCMS)	i			
	ž	¥	< 3.00	× 3.00
Va.,ona (GCMS)				
S. Listing	•	4	ž	Ą
	\$	Ĕ		
1,1,1-Trichloroethane				

^{...} indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Mot Analyzed. R -- Data did not meet quality control criteria and were rejected.

Trible El Surficial and subsurface Soil Investigative Flucy frail Data

Sample 10	NA12244B	BNZZZIAR	NA122648	HA122748
Denth	S CB	2 0	5 6	5 CB
416	06/14/90	06/14/90	02/05/00	04/03/90
Analytes		•		
Volatiles				
1.1.1-Trich(proethane (GOIS)	≦	¥	≦	ĭ
1 1 2-Trichtorethane	¥	£	\$	4
1 1 2-Trichloroethere (GDIS)	\$	¥	¥	≦
1 1-Birth constitute	*	¥	\$	≦
1,1-Dichloroethane (GOIS)	1	¥	≨	¥
		;	;	. 1
1,1-Dichloroethene	4	≨	§	S
1.2-Dichloroethane	¥	\$	¥	≦
1.2-Dichtoroethane (GCMS)	¥	\$	*	\$
1 2-Dichlocoethenes (cis & trans)	₹	\$	≦	≦
1.2-Dichloroethenes (cis & trans) (GCMS)	≦	\$	\$	1
_				
Benzene	\$	¥#	¥	\$
Banzana (CMS)	≦	¥	ş	4
3	\$	≦	¥	≦
Cartes Tarrect Arride (CTS)	~	\$	≦	\$
	*	\$	¥	1
(Thiorotenzene (GCHS)	\$	¥	¥	\$
	\$	1	\$	ĭ
	İ	•		

^{.-} indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table E1 Surficial and Subsurface Soil Investigative Analytical Data

*

	HA122448	HA12254B	HA122648	HA122748
Penth	2 6	8 5	5 CB	S C#
	06/14/90	06/14/30	04/05/0	05/03/90
Analytes				
Volatiles				
Chloriform (GOIS)	MA	¥	¥	≦
Dibroschlororosane	¥	ă	≦	ĭ
Piletaneth organie (CTR)	1	¥	< 0.300	< 0.300
Princeton Digitals	≦	¥	¥	¥
Disertal Disulfide (GDS)	1	≨	₹	¥
Frhvi Benzere	\$	ĭ	¥	ş
Erhyl Benzere (CDS)	\$	¥	≨	\$
ace of the second	≦	\$	≨	¥
(SCH) eve (NCH)	ş	4	¥	43
Hethylene Chioride	¥	¥¥	¥	\$
	ţ	;	;	4
Hethylene Chloride (GCMS)	≦	₹	S :	i :
Methylisabutyl Ketone	₹	≦	\$	ĭ
Mathylicobuty Ketone (ECMS)	≦	≦	¥	1
	¥	≦	ş	¥
ט'ר־אַלופֿוּר	*	2	*	1
0,P-Xylene (GOIS)	ĭ	İ		
	¥	¥	¥	*
	•	7	4	*
Tetrachloroethene (GCMS)		Ē	£	i

Motes: Values are reported to microgram per gram.

- c -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > · · indicates that the target analyte was detected at or above the Maximum Reporting Limit.
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Table E1 Surficial and Subsurface Soil Investigative Analytical Data

HA122748 5 cm 67/03/90	1111
HA12264B 5 cm 07/02/90	\$ \$ \$ \$
HA122548 5 cm 06/14/90	1111
MA1224MB 5 cm 06/14/90	5555
Sample 10 Depth Date	Analytes Yolatiles Toluene (GDIS) Trichloroethene (GDIS)

Notes: Values are reported to microgram per gram. Reported values are accurate to three significant figures.

- ... indicates that the target analyte was not detected at or above the Certified Reporting Limit.
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Table El Surficial and Subsurface Soil Investigative Analytical Data

1

Sample 1D Depth Date Analytes	NA122848 5 cm 07/03/90	HA122948 5 cm 07/03/90	MA1230MB 5 CM 06/14/90	HA1231WB 5 cm 06/13/90
Metals/Anions/General Chem Arsenic	6.5.5	< 2.50 < 1.20	< 2.50 < 1.26	3.26 < 1.20
Cadrium Calcium Chromium	12.3 12.3 12.0	IA 17.3 12.9	12600 17.6 11.5	4760 23.2 20.9
Iron	IIA 35.2	18.9	19600	25600
Lead Negnesium Manganese Nercury	MA MA • 0.0500	NA NA 0.0500	4,100 278 < 0.0500	530 < 0,0500
Potassium Sodium Zinc	82.1 IN IN	11A 11A 53.2	4190 142 47.8	6600
Semivolatiles 1,4-Oxathiane 1,4-Oxathiane (GOMS) 2,2-Bis(perachlorophenyl)-1,1,1-Trichloroethane (DDI) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI)	MA < 0.300 0.0260 > 0.500	MA < 0.300 0.00472 < 0.500	#A < 0.300 < 0.00277 < 0.500	MA < 0.300 0.790 0.500

Motes: Values are reported to microgram per gram. Reported values are accurate to three significant figures.

c -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample ID Depth Date Amelytes	MA1228MB 5 cm 07/03/90	NA122948 5 cm 07/03/90	14.123048 5 cm 06/14/90	MA123148 5 CM 06/13/90
Semivolatiles 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS) 4-Chlorophenylmethyl Sulfide 4-Chlorophenylmethyl Sulfide 4-Chlorophenylmethyl Sulfide (GCMS) 4-Chlorophenylmethyl Sulfide	0.00675 < 0.600 IIA < 0.900	< 0.00466 < 0.600 < 0.600 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.900 < 0.	006.0 > 000.0 > 000.0 >	0.170 < 0.600 MA < 0.900 MA
4-Chlorophenylmethyl Sulfone (GDIS) 4-Chlorophenylmethyl Sulfoxide 4-Chlorophenylmethyl Sulfoxide (GDIS) Aldrin Aldrin (GDIS)	< 0.300 × 0.300 × 0.300 × 0.300 × 0.300	< 0.300 IIA < 0.300 < 0.00211 < 0.300	< 0.300 IM < 0.300 0.00719 < 0.300	< 0.300 **A** ** 0.300 ** 0.00211 ** 0.300
Atrazine (GDKS) Berzothiazole Bicyclo (2,2,1) hepta-2,5-diene Bicyclo (2,2,1) hepta-2,5-diene (GDKS) Chlordene	< 0.300 × 10.0230 × 10.0230 × 10.0230	< 0.300	< 0.300 INA INA INA < 0.0230	< 0.300 KA KA KA KA KA KA KA KA KA KA KA KA KA
Chlordane (GDIS) Dicyclopentadiene	< 2.00 ***	× 2.00	× 2.00	< 2.00

Reported values are accurate to three significant figures.

X

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⁻⁻ Data did not meet quality control criteria and were

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Table El Surficial and Subsurface Soil Investigative Analyticai Data

15 cm 07/03/90 07/03/90 07/03/90 07/03/90 07/03/90 07/03/90 07/03/90 07/03/90 07/03/90 07/03/90 07/03/90 0.0184		IA122848	HA122948	IA12304B	M123148
ites pentadiene (GDE) n (GDE) n (GDE) e (GDE) e (GDE) n (GDE) e (GDE) n (GDE) e (GDE)	Sample 16	5 9	S CB	8 CB	8
1.00 1.00	Depth	ng/th/zo	02/03/90	06/14/90	06/13/90
(GDIS)	Date	26/10			
(GDIS)	Inalytes				
1.00 1.00	1 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				
(GDIS) (GDIS) (GDIS) (LOD 370 (LOD 371 (GDIS)	Semivolatiles	5	· 1.00	. 1.00	· 1.00
(GCMS) (GCMS)	Dicyclopentadiene (GCMS)	7810 0	0.078	< 0.00181	0.130
(GCMS) (GCMS)	Dieldrin	1010 o 1000	00.00	< 0.300	< 0.300
## ### (GCMS)	Dieldrin (GDE)	00.5	90.1	· 1.00	< 1.00
(GDIS)	Diisopropyi Methylphosphomate (GCNS)	3	1	≨	1
(GDIS)	Dithiere	i			
(GDYS) (GDYS)		00 700	007.0 >	007.0 >	007.0 >
Control Cont	pithiane (GDIS)	0.00611	< 0.00471	< 0.00471	< 0.0047
Company Comp	Endrin	11600.0	005.0	< 0.500	< 0.500
Comparison	Endrin (GOIS)	22500 0	< 0.00137	< 0.00137	< 0.00137
COURTS COUR	Nexach: orocycl opentadiene	(5) (0)	009 0 >	× 0.600	° 0.600
 (CCMS) (CCMS) (CCMS) (CCMS) (CCMS) (CCMS) (CCMS) (CCMS) (CCMS) (CCMS) (CCMS) (CCMS) (CCMS) (CCMS) 	Hexachlorocyclopentadiene (GDMS)	200-0			
(GCNS) (GCNS) (GCNS) (GCNS) (GCNS) (GCNS) (GCNS) (GCNS) (GCNS) (GCNS) (GCNS) (GCNS) (GCNS) (GCNS) (GCNS)		***************************************	× 0.00188	< 0.00188	< 0.00188
(GCNS) < 0.500 < 0.700 (GCNS) < 0.900 (GCNS) < 0.600 (GCNS) < 3.00 < 3.00	Isodrin		005.0	< 0.300	< 0.300
Kr. (GDIS)	Isodrin (GONS)	00°0 ×	002.0	0.700	< 0.700
(GCMS) < 0.600 (GCMS) < 3.00 < 3.00	Malathion (GCMS)	00.00	06 0	0.00	< 0.900
(GCNS) < 3.00 < 3.00	Parathion (6045)	80.0 ×	20,00	009'0 >	009.0 >
(GCMS)	Supona (6CMS)	0.600			
	Vapone (GCIS)	< 3.00	< 3.00	< 3.00	< 3.00
	-				
¥#	Volatiles	•	\$	¥	₹
richloroethane	1,1,1-Trichtcroethane	í			

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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- MA -- Not Analyzed. R -- Jata did not meet quality control criteria and were rejected.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

:	MA1228MB	HA122948	HA12304B	NA123148
	25	8 9	200	2 8
Depth	05/03/90	07/03/90	06/11/90	06/13/90
Date				
Analytes				
40 12 2				;
Constitution of the second sec	\$	\$	3	¥
	1	4	ĭ	≦
1, 1, 2-Trichloroethane	3	ž	¥	¥
1,1,2-Trichloroethane (GURS)	1	≦	≦	¥
1,1-Sichloroethane (GDIS)	1	1	1	\$
	;	1	4	ž
1,1-Dichloroethere	1	i :	i s	\$
1.2-Dichloroethane	ž	š :	i :	1
1 D. Diet Leconthere (CORS)	≨	≦	S	•
	\$	≨	¥	S
1,2-0:chloroetheres (cis & trans) (GDIS)	\$	*	1	4
	;	1	7	\$
Berzene	s :	i :	i 3	1
	i	≦ ≦	1	¥
Carbon Tetrachloride	• •	: :	1	\$
Carbon Tetrachloride (GCMS)	1	1	≦	₹
Chlorobenzene	i			
	1	*	≦	¥
Chiorobenzene (GDE)	. 4	NA.	\$	4
Chloroform	í	į		

Reported values are accurate to three significant figures. -- indicates that the target analyte was not detected at Notes: Values are reported to microgram per gram.

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> -- indicates that the target analyte was detected at or or above the Certified Reporting Limit. above the Maximum Reporting Limit.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample ID Depth Date	MA1228uB 5 cm 07/03/90	MA122948 5 cm 07/03/90	MA123048 5 cm 06/14/90	MA1231MB 5 cm 06/13/90
Volatiles		;	3	1
Chloroform (GCMS)	=	i	1	.
Dibramochlorapropene	X 6,	¥ 0. v	√ 0.300	< 0.300
Dibromochloropropane (GCMS)	00°.	*	¥	¥
Dimethyl Disulfide Dimethyl Disulfide (GDIS)	í S	1	¥	≦
	1	1	≤	\$
Ethyl Benzene	i i	*	1	≨
Ethyl Benzene (GDMS)	1	; ≦	≦	\$
H-Xylene	1 1	.	1	4
N-Xylene (GDS)	í	¥	\$	\$
		•	3	¥
Hethylene Chloride (GCHS)	≦ ;	1	S	1
Methylisobutyl Ketone	• •	≨	1	¥
Methylisabutyl Ketone (GDMS)	i 1	1	≦	4
O,P-Xylene	íś	\$	1	≦
	1	*	ĭ	\$
Tetrachloroethene	i i	i 1	≦	≦
Tetrachloroethene (GOMS)	Ĭ	i		

Notes: Values are reported to microgram per gram.

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Sample 10 Depth	5 cm	MA 122948 5 cm 5 cm	MA12304B 5 CB 04414 ADD	MA123148 5 CR 5 CR
bate Analytes	R/50/10	24/50/10		
votatiles Toluene	£	ĭ	¥	ĭ
Toluene (GDIS)	1	≦	≦	\$
Trichloroethere Trichloroethere (GDS)	s s	4 4	4 4	§ §

Reported values are accurate to three significant figures.

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Table El Surficial and Subsurface Soil investigative Analytical Data

*1 2 :

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Sample 10	MA1232MB 5 cm	HA123348 5 CB	HA123448 5 GR	NA123548 5 cm
Deptin Date	06/14/90	06/11/90	06/12/90	ns/cn//n
Analytes				
Metals/Anions/General Chea	< 2.50	< 2.50	2.76	< 2.50
Arsenic	· 1.20	< 1.20	¢ 1.20	· 1.20
Cadaius	2200	2260	14600	\$
Calcium	8.37	15.7	15.4	11.2
	60.9	12.0	13.5	8.%
Copper		!	00.00	1
	13100	16800	Ansan	i ,
<u>ייטי</u>	14.7	9:02	19.1	4.0
Lead	2600	2650	0.707	≨
Hagnesium	540	351	9 67	¥
Manganese	< 0.0500	< 0.0500	× 0.0500	× 0.0500
Heroury				
	1570	3860	4260	≦
Potassium	4.59	2.89	116	≦
Sodium	45.4	47.2	53.7	3 6.6
Zinc			•	
Semivolatiles	3	≦	a	≦
1,4-Oxathiane	20.00	< 0.300	< 0.300	< 0.300
1,4-Oxathiane (GCMS) 2,2-Bis(perachlorophenyl)-1,1,1-Trichloroethane (DDI) 2,3-Bis(perachlorophenyl)-1,1,1-Trichloroethane (DDI) (GCMS)	0.002770.500	< 0.00277 < 0.500	< 0.00277 < 0.500	0.00657
1.1. (Annual part of the part				

Notes: Values are reported to microgram per gram.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

	IA12324B	MA12334B	HA12344B	MA1235MB
at axhara	20	\$ 5	5	S CB
Depth Date	06/11/90	06/13/90	06/15/90	04/03/90
Analytes				
Camius				
2 2-Bis/parachlocophorn()-1.1-Dichloroethere (00E)	< 0.00466	99 %00.0 ×	< 0.0C266	99 7 00°0 ×
2 2-siz/assett production 1-1 inchiprocettene (DDE) (GDIS)	o 0.60G	• 0.600	0,60 0 ×	v 0.600
C. C. Black Bottle Cold Side	1	\$	4	¥
A-Uniorganism programmer and second	× 0.900	· 0.900	× 0.900	v (€.900
4-chlorophenylaethyl Sulfone	1	≦	≦	≦
COMPANY OF THE PARTY OF THE PAR	· 9.300	< 0.300	< 0.300	< 0.306
4-chioropherylamethyl surfame towns/	1	≦	4	*
t-chlorophenyimethyl surrakide	× 0.300	< 0.300	< 0.300	< 0.300
4-Caloropheny(methy) sucroator (m.n.s)	< 0.00211	< 0.00211	0.00590	0.00480
Atorin (GOS)	< 0.300	< 0.300	< 0.300	< 0.300
		002 0 >	0.300	< 0.300
Atrazine (GOIS)		•	XX	
Benzothi azole	i :	1 1	1	\$
Bicyclo [2,2,1] hepta-2,5-diene	£ ;	i :	í 3	≦ ≦
Bicyclo (2,2,1) Nepta-2,5-diene (GDIS)	S	5000	ים מצלים י	0.070
Chi ordane .	· 0.0230	4 U.023U	20.0	
Control of the Contro	< 2.00	< 2.90	< 2.00	< 2.00
Union union (union)	ş	¥	¥	¥

Reported values are accurate to three significant figures.

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above the Maximum Reporting Limit.

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Sample 1D	HA123248	MA12334B 5 CM	HA123448 5 cm	MA123548 5 cm
Depth Uate	06/1/90	06/18/90	06/12/00	07/03/90
Analytes				
Semivolatiles		;	§	5
Dicyclopentadiene (GDMS)	· 1.00	3	97.1	3:1
	< 0.00151	0.00545	0.30992	0.055
	< 0.300	< 0.300	< 0.300	< 0.300
Dielorin (suns)	× 1.00	× 1.00	· 1.00	× 1.00
Disopropyt metnytphosphomete technological properties of thiene	\$	¥	¥	≦
	007 0 >	00*00 >	007.0 >	< 0.400
Dithiane (GDS)	< 0.00471	< 0.00471	< 0.00471	0.00993
EndFin	0.500	< 0.500	< 0.500	· 0.500
Endrin (GOIS)	< 0.00137	< 0.00137	< 0.00137	< 0.00137
Hexachlorocyclopentadiene Rexachlorocyclopentadiene (GDKS)	009"0 >	009"0 >	009.0 >	009.0 >
	A 0 00188	< 0.00188	< 0.00188	< 0.00188
Isodrin	003.00	< 0.300	< 0.300	< 0.300
isodrin (GDRS)	002.0	< 0.700	< 0.700	< 0.700
Malathien (GDS)	006.0 >	00.00	< 0.900	< 0.900
Parathion (GUS)	009°0 >	< 0.600	• 0.600	× 0.600
Vapone (GCIS)	× 3.00	< 3.00	< 3.00	< 3.00
Volatiles 1,1,1-Trichloroethane	3	\$	¥	ĭ

Reported values are accurate to three significant figures. Notes: Values are reported to microgram per gram.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

G entre S	SAZZZAN.	NA12334B	NA1234NB	NA123548
	8 %	2	2 6	2 0
Depth	300	00/81/90	06/15/00	02/03/90
Date	PK/*I/90	00/10/100	2/6/100	
Analytes				•
	•			
Volatiles	;	•	4	4
1 1.1-Trichloroethane (60KS)	1	5	•	i
4 4 Orthigh Januarhana	\$	¥	4	≨
	\$	≨	4	ī
1,1,2-Trichloroethane (4US)	1	1	\$	£
1,1-Dichloroethane	i :	i i	4	7
1,1-Dichloroethane (GCIS)	\$	S	Ē	i
	1	ī	ž	₹
1, 1-Dichloroethere	1	4	3	≦
1,2-Dichloroethane		i 1	1	*
1,2-Dichloroethame (GDRS)	S	i :	í	=
1 2-Bichloroethenes (cis & trans)	\$	≦	ž	•
1,2-Dichloroethenes (cis & trans) (GDIS)	\$	\$	≦	≦
	¥	1	ī	1
Benzene	1	¥	≦	4
Renzene (GDRS)	1	\$	\$	\$
Carbon Tetrachloride	i i	i 1	4	*
Carbon Tetrachloride (GDIS)	S	£ ;	i :	
Chlorobenzene	≦	S	S	í
	4	1	4	2
Chlorobenzene (GOIS)	í	i :	;	7
Chloroform	≦	ş	£	Ę

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

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- $MA \to Mot \ Analyzed.$ R $\to Data \ did not \ meet \ quality \ control \ criteria \ and \ were$

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Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10	HA123248	HA123348	HA123448	HA123548 5 CB
Depth	5 6	5	5 :	
Date	06/11/90	06/18/90	06/15/90	04/50/10
Analytes				
	1			
Volatiles	. :	1	ă	¥
Chloroform (GCHS)	≦	5 ;	i ;	1
Discountformentane	4	\$	≦	ş
	< 0.300	< 0.300	< 0.300	< 0.300
Disconscioling upone (were)	ž	≨	4	¥
Dimechyl Disuttion	*	\$	3	1
Dimethyl Disulfide (GLMS)	i			
	≨	¥	*	1
Ethyl benzene	*	≨	¥	1
Ethyl Benzene (GINS)	=	4	≦	≨
M-Xylene	\	≨	¥	1
M-Xy(ene (GDS)	.	4	¥	≨
Methylene Chloride	İ			
Control of the second of the s	\$	\$	¥	¥
Methylene Chickide (GCMS)	¥	\$	ş	≨
Methyl isobutyl Ketone	i 1	\$	≨	\$
Methylisabutyl Ketone (GUS)	i 1	2	*	¥
O,P-Xyiene	:	•	Y.	*
O,P-Xylene (GDKS)	≨	Š	•	i
	4	ž	\$	¥
Tetrachloroethene	:		7	1
Tetrachloroethere (GCMS)	≦	ş	Ę	İ

Values are reported to microgram per gram. Notes:

Reported values are accurate to three significant figures.

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

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-- Data did not meet quality control criteria and were NA -- Not Analyzed. R -- Data did not m rejected. 1

Table El Surficial and Subsurface Soil Investigative Analytical Data

Depth Date Analytes	MA1232MB 5 CM 06/14/90	14723348 5 cm 06/18/90	MA123448 5 cm 06/15/90	HA123548 5 CB 07/03/90
Volatiles				;
Tolume	\$	a		¥
Toliana (COS)	1	ī	1	1
Initial (acts)	\$	≦	1	≦
Trich(oroethere (GCMS)	\$	1	¥	1

Notes: Values are reported to wicrogram per gram.

Reported values are accurate to three significant figures.

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 $<-\cdot$ indicates that the target analyte was not detected at or above the Certified Aeporting Limit.

> -- indicates that the target mulyte was detected at or above the Maximan Reporting Limit.

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Table E1 Surficial and Subsurface Soil Investigative Analytical Data

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Sample ID Depth Date Analytes	MA12615 30 cm 07/03/90	HA12634B 5 cm 07/02/90	NA 126448 5 cm 07/02/90	14.126548 5 cm 07/02/90
Wetals/Anions/General Chem Arsenic	3.73	< 2.50	. 2.50	2.89 #
Calcium Calcium Chromium Copper	31.3 21.7	i 3	111	\$
ii	32.4 32.4 84 84 84 84 84 84 84 84 84 84 84 84 84	HA HA HA 0.0500	MA MA MA MA 0.0500	· 0.0500
Potessium Sogium Zinc	98.9 Mar 9.39	3 4 4	44	4
Semivolatiles 1,4-Omathiame (GCMS) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethame (DOT) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethame (DOT) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethame (DOT) (GCMS)	KA < 0.300 < 0.00364 < 0.500	NA NA < 0.00277 NA	NA NA < 0.00277	MA MA < 0.00277

Motes: Values are reported to microgram per gram.

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

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Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10 Depth	MA12615 30 CB	MA126348 5 CM	8A126448 5 CB	14.1265:88 5 cm
bate Analytes	07/03/90	07/02/90	0//06/70	01/05/20
Semivolatiles				
2.2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE)	< 0.00466	· 0.00466	99 %00.0 ×	< 0.00¢06
2.2-Bis(parach(orochenyl)-1,1-Dichloroethene (DDE) (GDS)	009'0 >	£	X	¥
6-Chioropenylaethyl Sulfide	¥	1	≦	¥
A-Chloropenvinethyl Sulfide (GDS)	< 0.900	≦	ş	2
4-Chlorophenylmethyl Sulfore	£	3	≦	3
(SICE) and les [without later)	< 0.300	ş	ş	1
4-Chicombowinethy Suiforide	1	ĭ	\$	\$
4. Of acceptant method Colforide (CDS)	· 0.300	¥	1	\$
Aldrin	< 0.00211	0.00414	0.30623	0.00320
Aldrin (GDIS)	< 6.300	S	≦	ī
Afrasine (CDS)	< 0.300	£	¥	ş
Berrythiani e	¥	2	\$	3
storeto (2.2.1) bonto.2 5-diene	1	1	≦	≦
Bigget 17 2 11 heats 2 5-diere (GUS)	\$	*	\$	≦
Chlordene	< 0.0230	< 0.0230	· 0.0230	× 0.0230
(SELE) wanton (SE	< 2.00	1	1	¥
Dicyclopentadiene	ī	¥	1	1
-				

Reported values are accurate to three significant figures.

-- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.
R -- Data did not meet quality control criteria and were

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Table E1 Surficial and Subsurface Soil Investigative Analytical Data

	IM 1261S	IA126348	EA1264UB	NA1265UB
	5.	5 68	8	2
Depth	00 20 ZO	00/20/20	05/05/50	02/05/90
Date	01/03:30		•	
Analytes				
Semivolatiles	1	1	3	3
nicuriomentadiene (GCIS)	3	£	i	
	0.0461	0.0106	0.0245	< 9.00151
	< 0.300	≦	≦	4
Dieldrin (GDS)		1	≦	\$
Diisopropyl Methylphosphonate (M.M.s.)	1	\$	ž	4
	007.0 >	¥	4	≦
Dithiane (GORS)	< 0.00471	< 0.00471	< 0.00471	< 0.00471
Endrin		\$	\$	4
Endrin (GDIS)	7110U V	< 0.00137	< 0.00137	< 0.00137
Hexach longer(apentad) ene	009'0 >	\$	1	≨
Rexaction of ocyclopenia liene (oces)				
	× 0.00188	< 0.00188	< C.00188	< 0.00188
Isodrin	< 0.300	≦	1	á
Sodrin (GDS)	< 0.700	\$	≨	¥
Melethion (GDS)	006-0 >	1	¥	1
parathion (GDS)	009-0 >	ş	1	≦.
Support (GCRS)				
Vapone (GCMS)	< 3.00	≦	\$	1
Volatiles 1,1,1-Trichloroethane	ş	\$	≦	\$

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

	MA1261S	NA126348	HA12644B	M126548
to the state of th	5	5 cm	2 6	2 6
Capita	67/03/90	07/05/40	07/02/90	07/02/90
Araivito				
Volatiles		;	i	\$
1 1.1-Trichloroethane (GOS)	4	á	£	í
4 4 3-Teichiochethere	≦	\$	¥	1
	\$	ī	¥	ī
יייייייייייייייייייייייייייייייייייייי	\$	ž	¥	S
1, 1-Dichloroethane	i ≤	≦	¥	≦
1,1-Dichloroethane (u.m.)				
	\$	ž	¥	1
	\$	1	≦	1
1,2-Dichloroethare	1	*	1	\$
1,2-Dichloroethane (GDS)	i 1	.	1	£
1,2-Dichloroethenes (cis & trans)	i :	i i	•	1
1,2-Dichloroethenes (cis & trans) (GCMS)	ž	S	S	i
	3	¥	±	\$
	1	\$	≦	≦
Jenzene (GUS)	i s	ĭ	£	4
Carbon Tetrachloride	1	£	1	¥
Carbon Tetrachloride (GDS)	ii	1	1	¥
Chlorobenzene	•	í	i	
	\$	\$	ā	\$
Chlorobenzene (GDS)	i i	7	1	*
Chloroform	£	S	í	

×

Motes: Values are reported to microgram per gram. Reported values are accurate to three significant figures.

indicates that the target analyte was not detected at
 or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

Table El Surficial and Subsurface Soil Investigative Analytical Data

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	IM 1261S	MA12634B	HA1264HB	MA12654B
Sample 10	5 93	8	2 8	8
Depth	08/10/20	07/02/90	02/05/0	02/05/20
Date				
Analytes				
Volatifes	1	≦	≨	1
Chloroform (GOIS)	1	≦	4	1
Dibromochloropropane	ont e	1	\$	4
Dibromochlorapropene (GCMS)		1	\$	≦
Dimethyl Disulfide	1 1	.	\$	¥
Dimethyl Disulfide (GCMS)	ſ	i		
	1	1	¥	≦
Ethyl Benzene	1	1	≦	ş
Ethyl Benzene (GDIS)	i i	: 3	≦	≨
M-Xy Lene	i :	i 1	≦	ş
H-Xylene (GDIS)	S 1	i 1	1	ź
Nethylene Chloride	4	Š	í	
	3	\$	4	≦
Methylene Chloride (GCMS)	1	\$	≦	≦
Methylisabutyl Ketone	i 1	1	\$	4
Methylisabutyl Ketone (GCMS)	i ;	1 1	\$	\$
O,P-Xylene	£ :	i 1	#	¥
O,P-Xylene (GOIS)	S	í	İ	
	\$	\$	1	£
Tetrachloroethene	1	3	\$	1
Tetrachloroethene (GDRS)	í	i		

Motes: Values are reported to microgram per gram.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > .. indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- MA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

Depth Gate Analytes	MA12615 30 CB 37/03/90	MA1265MB 5 CM 07/02/90	5 cm 5 cm 07/02/90	MA126548 5 CM 07/02/90
Volatiles				
Tolume	3	ĭ	≦	¥
Toluene (GCMS)	\$	£	ĭ	¥
Trichloroethene	1	¥	≦	4
Trichlaroethene (GCMS)	\$	ī	1	1
•	3 3	\$ \$	1	

Motes: Values are reported to microgram per gram. Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Analyzed.
- R ... Data did not meet quality control criteria and were

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Table E1 Surficial and Subsurface Soil Investigative Analytical Data

Sample 10 Depth Date	NA126648 5 CB 07/02/90	HA126748 5 cm 07/02/90	MA126948 5 cm 07/02/90	MA127048 5 cm 07/03/90
Analytes	;			
Metals/Anions/General Chem	< 2.50	< 2.50	< 2.50	< 2.50
Arsenic	*	\$	1	< 1.20
Cardinium	1	1	\$	ĭ
Calcium	\$	¥	\$	14.5
Chromium	ž	1	1	10.4
	1	\$	1	ž
Iron	i 3	. ≦	≦	39.0
Fead	i s	1	\$	1
Magnesium	i 1	1	1	≦
Hanganese	· 0.0500	0.00%	< 0.0500	< 0.0500
	1	\$	ş	1
Potassium	i ≦	.	\$	\$
Sodium Zinc	i S	ī	ā .	55.6
Semivolatiles	1	\$	ş	≦
1,4-Cuathiane	i s	\$	≦	< 0.300
1,4-Omathiane (GCMS) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) (GCMS)	¢ v	< 0.00277	0.00280 NA	< 0.00277 < 0.500

Notes: Values are reported to microgram per gram. Reported values are accurate to three significant figures.

⁻⁻ indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

	MA126648	WA1267UB	HA12694B	HA1270HB
Sample 10	\$	5 CB	S C	2 6
Depth	07/02/90	07/05/40	07/05/90	07/03/90
Date				
Analytes				
Semivolatiles	77700 0 7	× 0.00466	0.00452	> 0.00466
2,2-8is(parachlorophenyl)-1,1-Dichloroethene (UDE)	2000 M	5	ŧ	009.0 >
2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (UNE) (UUS)	1	1	í	≦
4-Chlorophenylmethyl Sulfide	i s	غ	1	v 0.900
4-Chloropherytaethyl Sulfide (BJRS) 4-Chioropherytaethyl Sulfone	\$	s	ĭ	3
	1	1		< 0.300
6-Chlorophenylmethyl Sulfane (GDIS)	i a	=		
6-Chlorophenylmethyl Sulfaxide	E \$	*		< 0.300
4-Chloraphenylmethyl Sulfaxide (GOIS)	11,500.0	< 0.00211	< 0.00211	
Aldrin		1		
Aldrin (GOIS)	í	İ		
	1	\$	1	< 0.300
Atrazine (GDIS)	i f	1	\$	≨
Benzothiazole	1 :	i 3	1	≨
Bicyclo [2,2,1] hepta-2,5-diene	1 :	1	1	4
Bicyclo (2,2,1) hepta-2,5-diene (60KS)	0220 0 /	· 0.0230	< 0.0230	< 0.0230
Chlordene	3.0			
	1	1	\$	< 2.00
Chlordene (GDS)	\$	≦	\$	≦
Dicycl opentadiene			•	

Reported values are accurate to three significant figures. Values are reported to microgram per gram. Motes:

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

-- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Aralyzed.

 \boldsymbol{k} -- Data did not meet quality control criteria and were

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Table El Surficial and Subsurface Soil Investigative Analytical Data

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Sample 1D	MA126648 5 CB	HA12674B 5 CB	HA126948 5 cm	11A12704B 5 cm
Depth Date	02/20/20	04/05/90	04/20/10	07/03/90
Analytes				
Senivolatites	1	3	ă	· 1.00
Dicyclopentadiene (GDIS)	17200 0	0.00629	0.0124	0.00536
Dieldrin	1	\$	≦	< 0.300
Dieldrin (GDS)	i ≨	≦	1	.1.00
Diisopropyi Methylphosphormite (surs) Dithiane	1	S	1	ş
	1	\$	≦	007.0 >
Dithiane (GCMS)	× 0.00671	< 0.99471	0.00509	< 0.00471
cindrin	1	\$	\$	< 0.500
Endrin (GCHS)	< 0.00137	< 0.00137	< 0.00137	< 0.00137
Nexachlorocyclopentadiene (GOIS)	¥	\$	\$	009.0 >
	8	× 0.00188	< 0.00188	< 0.00188
Isodrin	33.5×	≦	1	< 0.300
Isodrin (GDIS)	i 1	1	≦	< 0.700
Malathion (GDS)	i a	ş	¥	< 0.900
Parathion (GOS)	.	ĭ	¥	× 0.600
Vaporia (GOIS)	á	S	4	< 3.00
Volatiles 1,1,1-Trichloroethane	\$	\$	5	\$

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

- c -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- $MA\ --\ Mot\ Analyzed.$ R $\ --\ Data\ did not\ spet\ quality\ control\ criteria\ and\ were$ R $\ --\ Data\ did\ not\ spet\ quality\ control\ criteria\ and\ were$

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 10	NA126648	ILA126748	RA126948	M127048
Depth	1	8	8	5
Date	07/05/90	02/05/20	05/05/90	02/03/90
Analytes				
Volatiles				
1,1,1-Trichloroethane (GOIS)	1	1	1	≨
1.1.2-Trichtoroethane	1	\$	\$	a
1,1,2-Trich(oroethane (GDIS)	1	ī	≦	ī
1,1-Dichloroethere	1	ĭ	1	≨
1,1-Dichloroethane (GOIS)	¥	1	1	≦
1 1-bichloroethere	¥	*	1	S
1.2-Dichloroethane	1	≦	\$	s
	£	ī	\$	1
	1	\$	1	\$
1,2-Dichloroethenes (cis & trans) (GDIS)	ĭ	1	¥	S
-	1	ā	1	\$
Leaves (EDE)	1	\$	≦	≦
Carbon Tetrachloride		≦	≦	1
Carbon Tetrachloride (GDIS)	\$	\$	ĭ	≦
Chlorobenzene	¥	¥	ĭ	≦
			!	;
Chlorobenzene (GDIS)	¥	£	≦	ś
Chloroform	£	\$	¥	≦

Values are reported to microgram per gram. Motes:

Reported values are accurate to three significant figures.

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- > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Aralyzed.
- R -- Data did not meet quality control criteria and were

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Table E1 Súrficial and Subsurface Soil Investigative Analytical Data

	NA 1266UB	HA125748	BA126948	NA127048
Sample 10	8	2 6	S C	S CB
Depth	100 COV ZO	07 /07 /00	07/02/90	07/03/90
Date	01/05/20	21/05/10		
Analytes				
				•
Volatiles	\$	\$	غ	≦
Chloroform (GCMS)	•	7	¥	≨
Dibramachloropropere	i 3	S	2	< 0.300
Dibromochloropropene (GDIS)	i s	S	M	\$
Dimethyl Disulfide	i s	S	\$	≦
Dimethyl Disulfide (GDIS)	i			
	4	1	≦	1
Ethyl Berzene	1	\$	¥	¥
Ethyl Benzene (GDIS)	i s		1	¥
H-Xylene	í á	≦	¥	≦
H-Xylene (GDNS)	i i	* \$	1	ş
Methylene Chloride	í	i		
	3	≦	¥	≨
Methylene Chloride (GCMS)	*	\$	*	1
Methyl isobutyl Ketone	i 1	\$	5	≨
Methylisabutyl Ketone (GCMS)	i 1	\$	\$	≦
O,P-Xylene	i 1	4	¥	≨
0,P-Xylene (GDKS)	£	i		
	\$	₹	1	¥
	: 3	VIII.	\$	4
Tetrachloroethene (GDIS)	Í	i		

Motes: Values are reported to microgram per gram. Reported values are accurate to three significant figures.

.- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Table El Surficial and Subsurface Soil Investigative Analytical Data

Sample 1D Gepth Date	NA1266UB 5 CM 07/02/90	MA1267AB 5 cm 07/02/90	6 CB 5 CB 07/02/90	HA127048 5 cm 07/03/90
Analytes				
Volatiles	ă	1	1	≦
iotuane (Chronical Chronic	\$	\$	¥	≦
Trickloroethene	₹	1	ž	≦
frichlaroethene (GDS)	ī	ş	á	≨

Notes: Values are reported to microgram per gram.
Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 -- indicates that the target analyte was detected at or
 - above the Maximum Reporting Limit.
- MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

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Table E2 Surficial and Subsurface Soil GC/MS Analytical Data

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	HA1237JB	HA12604B
ar action	5 68	2 6
u)den	06/18/90	02/03/90
Uake	GC/MS of	GC/MS of
	HA123348	HA12444B
Analytes		
Metals/Anions/General Chem	,	
Arsenic	. 2.5d	< 2.50
	· 1.20	< 1.20
	2250	\$
	15.7	15.9
	11.8	9.05
Copper		
	17000	4
	19.9	19.6
Deal	5692	±
	356	\$
	< 0.0500	< 0.0500
Mercury		
	3870	\$
	8.99	¥
	1.73	57.2
2inc	:	
Semivolatiles	,	Ş
1.4-Oxathiane (GCMS)	< 0.300	< 0.500
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI)	< 0.00277	0.00718

Values are reported in micrograms per gram. Motes:

Reported values are accurate to three significant figures.

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 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- NA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected

GC/MS Analytical Data

Sample 10	HA12374B	HA1260LB	
Depth	8	5 5	
Date	06/18/90 GC/NS of	07/03/90 GC/MS of	
	NA123348	HA12441B	
Analytes			
Semivolatiles			
2.2-8is(marachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS)	· 0.500	× 0.500	
2 2-Ris/parachlorophenyl)-1,1-Dichloroethene (BDE)	< 0.00466	99 %00.0 >	
2 2-Bis(parach(orozheny()-1,1-Dichtoroethene (DDE) (GCMS)	• 0.600	009.0 > .	
4-Chloropherylaethyi Sulfide (GOIS)	< 0.900	< 0.900	
4-Chlorophenylmethyl Sulfone (GCMS)	< 0.300	< 0.300	
Company of the second s	102.0	, O	
4-Chlorophery(methyl surfoxine (achs)	< 0.00211	0.00361	
ALGER	< 0.300	< 0.300	
Action (COS)	< 0.300	< 0.300	
Chlordane	< 0.0230	< 0.0230	
Th ordere (CTRS)	< 2.00	< 2.00	
Directorantadiene (GDS)	.1.00	· 1.00	
Dieldrin	0.00443	0.0106	
Dieldrin (60%)	< 0.300	< 0.300	
Diisopropyl Weth/Lphosphonate (GCMS)	• 1.00	< 1.00	
•			

Motes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

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MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were

GC/MS Analytical Data	HA126048	2	06/20/20	SE/NS of
13016 EZ 341173 GC/NS An	HA123748	8 8	06/18/90	EC/NS of
		Sample 10	ochti.	חמוב

Analytes	alytes
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MA125348

Semivolatiles	007 0 7	007-0 >
Dithiane (GDK)		7/700 0
	17 *00.00 ×	0.000
	< 0.500	< 0.530
Endrin (GDS)	< 0.00137	< 0.00137
Mexach lorocycl opentadiene	907 6	007 0 .
Hexachlorocyclopentadiene (GDMS)	0000	
•	. < 0.00188	< 0.00188
[sodrin	. 0 ZO	0.0300
Isodrin (GOMS)	0000	
Later Actives	00.00 ×	87.0
	006-0 >	× 0.900
Perathion (GCMS)	85 6	0070
Supona (GDMS)	009.0	33.
Vaccon (GDS)	< 3.60	. s.uu
Volatiles		
nibromoch(oropropane (GCMS)	< 0.300	ons:0 >

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

-- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed. R -- Data did not meet quality control criteria and were

Table E3 Surficial and Subsurface Soil Duplicate Analytical Data

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HA12374B HA12364B	5 cm 5 cm	06/18/90 06/18/90	po dng of Ordo of	BA127C1AM		, 55.50 < 2.50 4.34	< 1.20 NA	AN 0225	15.7 NA	11.8		17000 HA	19.9	Z690 KA	. 356 · ·	< 0.0500 < 0.0500 >		3870 NA	66.8 HA	VII 2.72			3		MA MA *** < 0.300 MA		11A 18A 18A
•	Sample 10	Depth	Date		Analytes	Metals/Anions/General Chem	Arsenic	Cadeius	Calcium	Chromium	Copper		Iran	Pead	Nagnesium	Hangamese	Hercury .		Potassium	Sodiu	Zinc	Zinc	Zinc Semivolatiles	Zinc Semivolatiles 1,4-Ozathiane	Zinc Semivolatiles 1,4-Oxathiane	Zinc Semivolatiles 1,4-Ouathiane	Zinc Semivolatiles 1,4-Oxathiane 1,4-Oxathiane (GOMS)

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Dup -- Duplicate

Table E3 Surficial and Subsurface Soil Duplicate Analytical Data

Sample ID	3 cm 02/24/89 Dup of Bub of	14.123748 5 cm 06/18/90 Dup of 14.123348	14123048 5 cm 06/18/90 04p of 184120148	14124048 5 cm 5 cm 06/18/90 pup of 14120948
Semivolatiles 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethane (DDE) 4-Chlorophenylmethyl Sulfide 4-Chlorophenylmethyl Sulfone (GDMS) 4-Chlorophenylmethyl Sulfone (GDMS) 4-Chlorophenylmethyl Sulfone (GDMS) 4-Chlorophenylmethyl Sulfone (GDMS) 4-Chlorophenylmethyl Sulfone (GDMS)	0.0196 < 0.500 0.00367 < 0.600 < 4.40 < 0.900 < 9.01 < 0.300	 0.00277 0.500 0.500 0.00466 0.600 M M 0.900 M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M M	0.00911 NA 0.004666 NA NA NA NA NA	0.0103 84 85 85 85 85 85 85 85 85 85 85 85
Aldrin (GCMS) Atrazine (GCMS) Benzothiazole Chlordane	0.0202 < 0.300 < 0.300 < 2.04 0.0515	< 0.00211 < 0.300 < 0.300 MA < 0.9230	6.002118A8A0.0230	0.50.0 >

< -- indicates that the target analyte was not detected at Reported values are accurate to three significant figures. or above the Certified Reporting Limit. Notes: Values are reported in micrograms per gram.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

-- Data did not meet quality control criteria and were -- Not Analyzed.

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rejected.

Table E3 Surficial and Subsurface Soil Duplicate Analytical Data

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• • • • • • • • • • • • • • • • • • •	KA099548	HA1237AB	MA1238US	HA1240MB
Sample 10	3 68	5	5 6	2 6
Depth	02/24/89	06/18/90	96/18/90	06/18/90
Date	Dup of	bup of	gub of	Purp of
	HADOOKIAB	HA1233JB	MA1201UB	NA12094B
Analytes				
Senivolatiles			;	1
(F) ordane (GWS)	· 2.00	< 2.00	1	ĭ
	· 1.00	× 1.00	≦	4
Dicyclopentegrater (www)	0.210	0.00443	96900'0	0.00529
Dielorin	< 0.300	< 0.300	≦	≦
Dieldrin (GDS)	8		4	4
Diisopropyl Methylphosphonate (GDMS)	B	3.	i	
	< 1.45	1	\$	±
	007.0 >	< 0.400	≨	4
Oithiane (GUS)	0.0187	< 0.00471	< 0.00471	< 0.00471
Endrin	× 0.500	< 0.500	\$	≦
Endrin (GURS) #exachlorocyclopentadiene	< 0.00180	< 0.00137	< 0.00137	< 0.00137
	009.0 >	< 0.600	ž	1
Nexachlorocyclopentaglere (u.m.)	< 0.00110	< 0.00168	< 0.00188	< 0.90188
Sodrin	< 0.300	< 0.300	≦	1
(Supply ULDOS)	× 0.700	< 0.700	5	4
Malathion (GCMS)	< 0.900	006-0 >	≦	¥

Values are reported in micrograms per gram. Notes:

Reported values are accurate to three significant figures.

-- indicates that the terget analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

NA -- Not Analyzed.

-- Data did not meet quality control criteria and were rejected.

Oup -- Duplicate

Table E3 Surficial and Subsurface Soil Duplicate Analytical Data

5 cm 5 cm 06/18/90 0up of IMA1209u8	4 1	111
5 cm 5 cm 06/18/90 Dup of BA120148	11	111
14123748 5 cm 06/18/90 0up of 14123348	0.600 >	**************************************
3 cm 02/24/89 bup of mannystus	6.600 5.00	# < 0.300 < 3.12
Sample 10 Depth Date	Analytes Samivolatiles Supone (GOMS)	Volatiles Cibromochloropropene Dipromochloropropene (GDMS)

Motes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target and, te was detected at on above the Maximum Reporting Limit.

.bazysed. .. Not Analyzed.

-- Data did not meet quality control criteria and were

rejected.

Table E3 Surficial and Subsurface Soil Duplicate Analyticat Data

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	Ma12414R	MA12421B	HA126048	HA126848
Sample 10		5	2 6	2 28
Depth	06/18/90	06/12/90	04/03/00	07/02/90
Date	10 Ga	De of	oup of	jo dng
	MA 121AM	HA122048	BA12448	MA126748
Analytes				
Hetal E/Anions/General Ches	e de la companya de l	7. 1.	< 2.50	< 2.50
Arsenic	K.2.	\$	· 1.20	4
Cachius	5 3	: ≦	\$	ī
Calcium	1	1	15.9	1
Chromium	1	4	9.05	£
Capper	ł			
	≦	≦	¥	1
Iron	.	ā	19.6	\$
Lead	i 1	ž	**	1
Magnesius	1 2	1	1	1
Hanganese	9000	< 0.0500	< 0.0500	0.111
Hercury				
	á	**	. *	ī
Potessium	1	1	≦	1
m;pos	1	ž	57.2	1
2 inc	i			
				;
Senivolatiles	1	\$	\$	S
1,4-Oxathiane	1	\$	0.300	≨
1,4-Oxathiane (GONS)	i			

Values are reported in micrograms per gram. Notes:

Reported values are accurate to three significant figures.

-- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Data did not meet quality control criteria and were rejected.

Dup -- Duplicate

Table E3 Surficial and Subsurface Soil Duplicate Analytical Bata

8A126Bus 5 cm 07/02/90 Pup of BA1267AS	0.002770.004660.004660.004660.004660.004660.00466	## ## ## ## ## ## ## ## ## ## ## ## ##	
67/03/90 Dup of NA124/48	0.00718 < 0.500 < 0.00666 < 0.600 MI MI MI	< 0.300 14 < 0.300 0.00361 < 0.300 < 0.300 14 < 0.0230	
14.124.248 5 cm 06/15/70 bup of 14.122048	< 0.00277 HA < 0.00466 HA HA HA	**************************************	
MA1241MB 5 cm 06/18/90 0up of MA1217MB	0.002778.00.004668.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.08.	* 0.00211 * M M M M M M M M M M M M M M M M M M M	C 0.16.30
Sample 10 Depth Date	Semivolatiles 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) 4-Chlorophenylmethyl Sulfide 4-Chlorophenylmethyl Sulfide (GCMS)	4-Chlorophenylmethyl Sulfone (GDRS) 4-Chlorophenylmethyl Sulfoxide 4-Chlorophenylmethyl Sulfoxide 6-Chlorophenylmethyl Sulfoxide Aldrin Aldrin Aldrin (GDRS) Atrazine (GDRS)	Chlordane

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per gram.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Analyzed.
- -- Data did not meet quality control criteria and were

rejected.

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Table E3 Surficial and Subsurface Soil Duplicate Analytical Data

	MA12414B	M124248	MA12604B	HA126848
Sample 10		2	5	2
. 1	8	3 :		02/03/00
	06/18/90	06/15/90	0//03/70	26/20/20
Date	jo cad	po ond	Purp of	jo dra
	MININE.	HA12204B	IIA1244IB	IIA 126748
Analytes				
Semivolatiles	1	1	< 2.00	1
Chlordane (60KS)	i 1		. 1.00	≨
Dicyclopentadiene (GDIS)	F 0.00 0 .	× 0.00181	0.0108	0.00629
Dieldrin		=	< 0.300	±
Dieldrin (GDS)	i :	1	. 1.00	ā
Diisopropyl Hethylphosphonate (GDIS)	f	i		
	1	≦	ĭ	¥
Dithiane	1	¥	007'0 >	ĭ
Dithiame (GDRS)	, a 967	< 0.00471	97900.0	< 0.00471
Endrin		1	< 0.500	≨
Endrin (601S)	73100 0 7	< 0.00137	< 0.00137	< 0.00137
Hexach Lorocycl opentadisne				
	4	≦	< 0.600	4
Hexachlorocyclopentadiene (GDIS)		< 0.00188	< 0.00188	< 0.0016£
Isodrin	1	1	< 0.300	ĭ
Isodrin (60%)	1	£	< 0.700	ĭ
Helethion (6DKS)	i a	\$	v 0.900	¥
Parathion (GONS)	į			

Reported values are accurate to three significant figures. Notes: Values are reported in micrograms per grem.

< -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximus Reporting Limit.

MA -- Mot Analyzed.

R --- Data did not meet quality control criteria and were rejected.

Dup -- Duolicate

Table E3 Surficial and Subcurface Soil Duplicate Analytical Data

Sample 1D Depth Date	9.4124148 5.48 06/18/90 0up of 14121748	MA124240 5 cm 06/15/90 Dup of NA122048	5 cm 07/03/90 Dup of MA124448	5 cm 5 cm 07/02/90 Dup of BA126748
Analytes				
Semivolatiles Suppora (GCMS) Vapona (GCMS)	11	11	< 0.600 < 3.00	4 4
Volatiles Dibromochloropropere Dibromochloropropere (GCMS) Dimethyl Disulfide	111		AN . 0.300	111

Motes: Values are reported in micrograms per Gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at
or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

R -- Sata did not meet quality control criteria and were

rejected.

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Table E4 Surficial and Subsurface Soil Background Analytical Data

Sample 10 Depth Date Analytes	MA12364B 0 cm 07/03/90	6 cm 6 cm 07/03/90	HA124448 6 CM 07/03/93	MA1262MB 6 cm 07/03/90
Metals/Anions/General Chem Arsenic Cadmium Chromium Copper Lead	< 2.50 < 1.20 14.9 8.14 13.0	< 2.59 < 1.20 11.4 6.61 in.6	< 2.50 < 1.20 14.1 7.95 18.2	< 2.50 < 1.20 < 1.7.1 9.35
Mercury Zinc	< 0.0500 37.4	< 0.0500 30.7	< 0.0500 47.9	< 0.0500 52.9
Semivolatiles 1,4-Ouathiane (GCMS) 2,2-Bis(parachlorophenyl)-1,1,1-1-Trichloroethane (DDI) 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) (GCMS) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS)	< 0.300 < 0.00277 < 0.500 < 0.00466 < 0.600	< 0.300 < 0.00277 < 0.500 < 0.500 < 0.00466 < 0.600	< 0.300 < 0.00277 < 0.500 < 0.00466 < 0.600	0.3000.005780.5000.5000.0066
4-chlorophenylmethyl Sulfide (GCMS) 4-chlorophenylmethyl Sulfone (GCMS) 4-chlorophenylmethyl Sulfoxide (GCMS) Aldrin Aldrin (GCMS)	< 0.900 < 0.300 < 0.300 0.00328 < 0.300	< 0.900 < 0.300 < 0.00211 < 0.300	< 0.900 < 0.300 < 0.300 < 0.00211 < 0.300	< 0.900 < 0.300 < 0.300 < 0.300 < 0.00211 < 0.300 < 0.300

Values are reported to microgram per gram. Notes:

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
- $MK \, \cdot \cdot \, \, Wot \, Analyzed.$ R $\, \cdot \cdot \, \, Data \, did \, not \, meet \, \, quality \, control \, \, criteria \, and \, were$ rejected.

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Table E4 Surficial and Subsurface Soil Background Analytical Data

!	IA12364B	HA124348	IA1244B	NA126248
	5	9	90 9	9
Depth	02/03/00	05/03/90	05/03/90	04/03/40
Date			•	
Analytes				
	1			
Senivolatiles	< 0.300	< 0.300	< 0.300	< 0.300
Atrazine (GUS)	× 0.0230	< 0.0230	< 0.0230	< 0.0230
Chlordene	< 2.00	< 2.90	< 2.00	< 2.00
Chlordene (GUS)	41.00	· 1.00	* 1.00	· 1.00
Dicyclopentatione (MAS)	< 0.00181	< 0.00181	< 0.00181	0.00294
	< 0.300	< 0.300	< 0.300	< 0.300
Dieldrin (GUS)	× 1.8	× 1.00	. 1.00	< 1.00
Diisopropy! Methylphosphonate (u.r.s.)	007.0 >	007:0 >	007.0 >	× 0.400
Dithiere (GDS)	< 0.00471	< 0.00471	< 0.00471	< 0.00471
Endrin Endrin (6015)	< 0.500 ×	< 0.500	< 0.500	< 0.500
:	73100 V >	< 0.00137	< 0.00137	< 0.00137
Hexach lor ocycl opentadiene	0.600	009.0 >	· 0.600	009'0 >
Mexachlorocyclopentadiene (GJPs)	\$6100 v	< 0.00188	< 0.00188	< 0.00188
Isodrin	¢ 0.300	< 0.300	< 0.300	< 0.300
Isodrin (50%) Malathico (50%)	c 0.700	< 0.700	< 0.700	< 0.700
	•	000	0 00 0	0.900
Parathion (GDIS)	W-0 >	9		
Suppose (ECHS)	009"0 >	· 0.600	009.0	· 0.000

Reported values are accurate to three significant figures. Notes: Values are reported to microgram per gram.

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⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

⁻⁻ Data did not meet quality control criteria and were NA -- Not Analyzed.
R -- Data did not m

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Table E4 Surficial and Subsurface Soil Background Analytical Data

Sample 1D Depth Date	NA123648 0 cm 07/03/90	HA124348 6 cm 07/03/90	HA124448 6 cm 07/03/90	MA126248 6 cm 07/03/90
Aralytes Semivolatiles Vapona (GCMS)	× 3.60	< 3.00	< 3.00	< 3.06
Volatiles Dibromochloropropene (GCMS)	< 0.300	< 0.300	< 0.300	< 0.300

Notes: Values are reported to microgram per gram.

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
 - > -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.
 - MA -- Not Analyzed.
- R -- Data did not meet quality control criteria and were

rejected.

Appendix F
BIOTA ANALYTICAL DATA

LIST OF TABLES

Tabi	ما	Nia
l'ab	le	NO.

Fl	Biota Investigative Analytical Data
F2	Biota QA/QC Analytical Data
F3	Biota Duplicate Analytical Data
EA	Species of Possible Occurrence in Offpost Study Area

Page 1 of 9

Table F1 Biota Investigative Analytical Data

 0.132 0.0630 0.0630 0.0630 0.0130 0.0130 0.0264 0.0360 0.0360
Semivolatiles 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) Aldrin Dieldrin Endrin <

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

MA -- Not Analyzed.

indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Naximum Reporting Limit.

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Table F1 Biota Investigative Analytical Data

	MA10128F Date 08/07/89	Analytes	Metals/Anions/General Chem < 0.250 Arsenic < 0.250 Mercury < 0.0500	Semivolatifes 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDI) < 0.132 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) < 0.0630 Aldrin 0.0533 Endrin < 0.0533	Volatiles Dibromochloropropane
ı	KA101385 06/07/89		< 0.250 < 0.0500	< 0.132 < 0.0630 < 0.0136 0.0784 < 0.0360	\$
	MA1017BP 09/07/89		< 0.0500 <	< 0.132 < 0.0630 < 0.0130 0.0230 < 0.0360	1
	MA103688 10/19/89		< 0.250 < 0.6500	< 0.132 < 0.0630 < 0.0130 < 0.0180 < 0.0360	£
	MA103788 10/19/89		< 0.250 < 0.3500	< 0.132 < 0.0630 < 0.0130 < 0.0180	ş
	IIA 103086 10/19/89		< 0.250 < 0.0500	0.1320.06300.01300.01300.01360	\$

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

Ma -- Mot Anglused

< -- indicates that the target analyte was not detected at

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit. or above the Certified Reporting Limit.

Table f1 Biota Investigative Analytical Data

Sample 10 Date	HA103988 16/19/89	10/19/89	HA 104.28P 09/07/89	HA 104.38P 09/07/89	MA104.9E 09/25/89	8A 10508 09/07/89
Analytes						
Metals/Anions/General Chem Arsenic Mercury	0.250 × 0.0500	< 0.250 × 0.0500	< 0.0500 × 0.0500	< 0.250 × 0.0500	6.771 < 0.0500	0.2500.0500
Semivolatiles 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) Aldrin Dieldrin Endrin	< 0.132 < 0.0630 < 0.0130 < 0.0190	< 0.132 < 0.0630 < 0.0130 < 0.0180 < 0.0360	< 0.132 0.106 < 0.0130 0.230 < 0.0360	0.1320.06300.01360.01600.0360	< 0.132 < 0.0630 < 0.0130 < 0.0180	< 0.132 < 0.0630 < 0.0130 < 0.0180
Volatiles Dibromochloropropare	\$	ĭ	1	ş	≦	i

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

< -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

NA -- Not Analyzed.

Table F1 Biota Investigative Analytical Data

Sample ID Date	HA 105 18 09/23/89	MA10528 09/13/89	MA10538 09/12/89	MA10548 09/13/89	NA 10558 10/24/89	HA10568 09/12/89
Analytes						
Metals/Anions/General Chem Arsenic Mercury	< 6.250 < 0.0500	11	1.36 < 0.0500	< 0.250 × 0.0500	< 0.250 < 0.0500	< 0.250 < 0.0500
Semivolatiles 2,2-8is(parachlorophenyl)-1,1,1-Trichloroethane (DDI) 2,2-8is(parachlorophenyl)-1,1-Dichloroethene (DDE) Aldrin Dieldrin Endrin	< 0.132 < 0.0630 < 0.0130 0.571 < 0.0360	< 6.132 < 0.0630 < 0.0130 < 0.0130 < 0.0130 < 0.01360	< 0.132 < 0.0630 < 0.0130 0.0230 < 0.0360	< 0.132 < 0.0630 < 0.0130 < 0.0160	< 0.132 < 0.0630 < 0.0130 0.0327 < 0.0360	< 0.132 < 0.0630 < 0.0130 < 0.0180 < 0.0180
Volatiles · Dibromochloropropane	i	4	<u>.</u>	\$	1	ĭ

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

or above the Certified Reporting Limit.

^{...} indicates that the target analyte was not detected at

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

Table f1 Biota Investigative Aralytical Data

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HA10588 HA10598 HA10608 HA10618 09/13/89 09/23/89 10/27/89 09/22/89	< 0.250 < 0.250 < 0.250 < 0.250 < 0.250 < 0.573 < 0.0500 < 0.0500 < 0.0500 < 0.0500 < 0.0500	< 0.132 < 0.132 < 0.132 < 0.132 < 0.132 < 0.0330 < 0.0630 < 0.0630 < 0.0630 < 0.0630 < 0.0630 < 0.0630 < 0.0630 < 0.0630 < 0.0630 < 0.0130 < 0.0130 < 0.0130 < 0.0130 < 0.0130 < 0.0130 < 0.0130 < 0.0130 < 0.0130 < 0.0130 < 0.0130 < 0.0130 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 < 0.01300 <	1
HA10578 H 09/13/89 09	1.33 < 0	 0.132 0.0630 0.0130 0.0131 0.0211 0.0360 	
Sample ID Date	Analytes Hetals/Anions/General Chem Arsenic Mercury	Semivolatiles 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDE) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) Aldrin Dieldrin Endrin	

Notes: Values are reported in micrograms per gram. Reported values are accurate to three significant figures.

⁻⁻ indicates that the target analyte was not detected at or above the Certified Reporting Limit.
-- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

Table F1 Biota Investigative Analytical Data

Sample 10 Date	HA10638 09/13/89	8A10648 89/14/89	MA10658 09/23/89	BA1246B 09/11/89	HA1247B 09/11/89	M12488 10/26/89
Analytes Netals/Anions/General Chem Arsenic Mercury	1. <i>69</i> 0.0612	< 0.0500 < 0.0500	0.250 >	11	1 1	0.250
Semivolatiles 2,2-Bis(parachloropheny!)-1,1,1-Trichloroethane (DDI) 2,2-Bis(parachloropheny!)-1,1-Dichloroethene (DDE) Aldrin Dieldrin Endrin	< 0.132 < 0.0630 < 0.0130 < 0.0130 < 0.0350	< 0.132 < 0.0530 < 0.0130 < 0.0160	< 0.132 < 0.0630 < 0.0136 < 0.0186	6.1710.08190.08240.06680.0668	0.1320.06300.01300.02820.0360	< 0.132 < 0.0630 < 0.0630 < 0.0130 < 0.0180 < 0.0180 <
Volatiles Dibromochioropropere	£	¥	á	š	· ≦	1

Notes: Values are reported in micrograms per gram. Reported values are accurate to three significant figures.

[.] indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximus Reporting Limit.

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Table F1 Biota Investigative Analytical Data

Sample 1D Date	MA12498 09/12/89	MA12498 10/24/89	MA12508 09/12/89	MA12518 09/23/89	HA12528 10/27/89	HA12538 09/22/89
Analytes				,		
Metals/Anions/General Chem Arsenic Mercury	\$ \$	< 0.250 × 0.0500	1.85 0.0767	< 0.250 < 0.0500	< 0.250 < 0.0500	1.02
Semivolatiles 2,2-8is(parachlorophenyl)-1,1,1-Trichloroethane (DDI) 2,2-8is(parachlorophenyl)-1,1-Dichloroethane (DDE) Aldrin Pieldrin Endrin	· 0.132	11A < 0.0630 < 0.0130 < 0.0180	< 0.132 < 0.0630 < 0.0130 < 0.0180	< 0.132 < 0.030 < 0.0130 < 0.0130 0.0267 < 0.01360	0.1320.06300.01300.01300.0360	< 0.155 < 0.0420 < 0.0210 < 0.0260
Volatiles Dibramochlorapropane	≨	1	¥	a	\$	\$

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

^{.-} indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Hot Analyzed.

Table F1 Biota Investigative Analytical Data

Sample 1D Date	HA12548 09/13/89	IA12558F 01/02/90	HA 1255BL 01/02/90	BA12568F 01/21/90	MA1256BL 01/21/90	NA1257BF 01/23/90
Analytes						
Metals/Anions/General Chem	5965	0.250	6.20	4 0.250	, 0.26	· 0.250
Mercury	· 0.0500	× 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500
Semivolatiles 2 3-aistrarachiorochemi)-1 1-Trichlocoethare (DDI)	· 0.132	· 6.132	¢ 0.12	· 0.1%	< 0.132	< 0.132
2 2-Bis:connectlorechery()-1,1-Dichloroethere (006)	< 0.0630	< 0.0630	< 0.0630	< 0.0630	< 0.0630	< 0.0630
Aldrin	< 0.0130	< 0.0130	< 0.0130	< 0.0130	< 0.0130	< 0.0130
Dieldrin	0.0221	< 0.0180	< 0.01&v	< 6. 0180	< 0.0180	< 0.0180 <
Endrin	< 0.0360	< 0.0360	< 0.0360	< 0.0360 ×	< 0.0360	< 0.0360
Volatiles Dibromochloropropene	i	ź	1	1	S	1

Notes: Values are reported in micrograms per gram.

-- indicates that the target analyte was not detected at Reported values are accurate to three significant figures.

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

Table F1 Biota Investigative Analytical Data

Sample 10	MA1257EL
Date	03/52/10
Analytes	
Metals/Anions/General Chem Arsenic	1
Mercury	í
Semivolatiles 2.0:s/namethoroulastil-1.1.1-Trichloroethane (001)	< 0.1%
2,2-Bis(perachlorophenyl)-1,1-Dichloroethene (DDE)	< 0.0630
Aldrin	< 0.0130
Dieldrin	0.380
Endrin	< 0.0360
Volatiles	
Dibromochloropropane	غ

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures. < -- indicates that the target analyte was not detected at

< -- indicates that the target analyte was not occurred as
or above the Certified Reporting Limit.
</p>

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Not Analyzed.

H HA10058H HA10058H 9 08/07/89 08/07/89 if NS of NS of H HA10098H NA10098H		2.95 2.53
MA10148M 06/07/89 LS of MA10098M		0.396
HA10118H 06/07/89 FB of HA10098H		< 0.195
Sample ID Date	Analytes	Volatiles Dibromochloropropané

Values are reported in micrograms per gram. Notes:

. - indicates that the target analy.e was not detected at Reported values are accurate to three significant figures.

or above the Certified Reporting Limit.

> -- indicates that the target analyte was detected at or above the Maximum Reporting Limit.

MA -- Mot Analyzed. FB -- Field Blank

LS -- Low Spike HS -- High Spike

Table F3 Biota Duplicate Analytical Data

Sample 10	NA12558FD
Date	01/05/90
	por ding
	IA12558F
Analytes	
Metals/Anions/General Chem	į
Arsenic	· 0.20
Nercury	00.0.0 >
Semivolatiles	
2.2-8is(parachlorophenyl)-1,1,1-Trichloroethane (DDT)	< 0.132
2 2-Bis(narachlorophenyl)-1,1-0ichloroethene (00E)	< 0.0630
Aldrin	< 0.0130
Dieldrin	< 0.0180
Fortin	< 0.0360

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures. < -- indicates that the target analyte was not detected at

or above the Certified Reporting Limit.

above the Maximum Reporting Limit.

NA -- Not Analyzed. R -- Data did not meet quality control criteria and were rejected.

Family	Centa	Species	Common Name	STATES.	Habitat	Offport
Reotiles						
Chelydridae	Chetydra	serpentina	Sampping turtle	۵	Rol. Ms. OW-St/Ri, OW-L/R	
Colubridae	Coluber	constrictor flaviventria	Eastern yellowbelly racer	•	Sep. MXP, TeP, Rpl., Ag. U	
Colubridae	Heterodon	D. BOBIC UNE	Western hogsone make	E)	Sep. TeP, Rpl., Ac. ad	
Colubridae	Lampropeltie	triangulum	Milk snake	#	Sep, TeP, Rpl., Ag, ed	
Colubridae	Masticophie	flagellum	Coachwhip	Æ)	Sep. TeP. Rpl. cl	
Colubridae	Nerodia	eipedon	Northern water snake	#	RpL, Me, OW-St/Ri, OW-L/R	
Colubridae	Pitaophia	melanoleucus	Bullenske	æ	Sep, MXF, TeP, RpL, Ag, U. Sd	Ħ
Colubridae	Themsophie	elegane	Western Terrestrial garter	æ	Rpl., Ma, In	
Colubridae	Themsorhie	radix	Plains garter snake	2	Rol., Me, in, S.P. TgP, U	
Colubridae	Thampophie	sertalia	Red-sided garter saake	•	RpL, Me, In	
Colubridae	Tropidoclomion	Encetan	Lined snake	æ	Sep. U. Rpl.	
Emydidae	Chrysenays	picta	Western Painted turtle	#	Rol., Ma, OW-St/Ri, OW-L/R	
Enydidae	Terrapene	orneta	Western box turtle	æ	Sep. ed, TeP, RpL	
Iguanidae	Hofbrookia	maculata maculata	Northern earless fixard	m	Sep. MXP. TeP. Ac. ed	
Iruanidae	Phrybosoma	douglassi	Short-borned licard	6	Sep. Tep. SeSD. d	
Iruanidae	Sceloporus	undulatus erythrochlus	Eastern fence heard	6	Sep. Rol. d	
Tenanidae	Scelanorus	modulates carmani	Northern feare heard	6	Sep. TeP. ad	
Scincidae	Pambeces	meditivireatus	Many-Ened skink	4	Sep. Tep. Ac. U. ad	
Scincidae	Rutheces	obsoletes	Great Plains skink	م.	Sep Tep As Bol.	
Teiidae	Caemidonhorae	eximentus	Six-lined racentance	.	Sep. ad. TrP. Rol.	
Tringershides	Tringer	animit form	Cries and shalled treet.	2	Del OW-Chie OW-I /P Me In	•
William Canada	V		Design and design and and	9 6		•
v iperioae	CIACINA	MIDAJIA	riane rathernale	9	10. 10. c	
Amphibéane						
Ambyrtomatidae	Ambrutome	tierinam	Ther salamander	2	Ms. In; All other types	
Bufonidae	Burfo	Cognating	Great Plains toad		In Sep. MXP. Tep. Rol. Ac. U	
Bufonidae	ŝ	woodbouse	Woodbouse's toad	, po	Sep. SeSD. MXP. TeP. Rol. Ac	
Hylidae	Paendacrie	triseriata	Chorus froe	æ	Ms. In. Rol. Ac	
Pelobatidae	Scaphiopan	bombifrons	Plains spadefoot	£	la, ScP. ed. TeP	
Ranidae	Rans	catestiana	Builfrog	æ	Me, In, RpL	
Ranidae	Rana	pipiens	Northern leopard frog	æ	Ms, In, RpL	
Antilocapridae	Antilocapra	americana	Pronghorn	6	Sep, MXP	
Canidae	Canie	letrans	Corote	80	All types	×
Canidae	Urocyon	cinercoargentens	Gray fox	æ	Sep. Tep. Rpl.	
Canidae	Vulpes	velox	Swift fox	æ	Set. Ac	
Canidae	Valpes	vulpes	Red fox	8	Ma, Ag	×
Cervidae	Odocoileus	hemionus	Mule deer	£	RpL, SeP, TeP	×
Cervidae	Odocoileus	virginianus	White-tailed deer	€	RpL	
Cricetidae	Microtus	ochrogaster	Prairie vole	æ	SgP, TgP, Rpl, Ms	
:].		•		

į

Habitat

Observed Offpost

P. Ag, RpL

Is, Cr, Ag, Aq , Ag, SgP, MXP

Snow gook.
Hooded merganaer
Common merganaer
Red-breasted merganaer
Great blue heron
American bittern

Cattle egret Green-backed heron

Snowy egret Black crowned night heron Cedar waxwing Bohemian waxwing

nycticorax cedrorum garrulus

Common nighth ach Common poorwill Turkey vulture Mountain plover Semipalmated plover

pl., Gl gP, Cr, W/OG, L 7/OG, L

L, Cr, Ag, U

macroura brachyrhynchos

land-tailed pigeon

tock dove

Mourning dove Common crow

3L, Ag, RpL, U Ag, U, RpL; All types

Nytticorax
Bombycilla
Bombycilla
Chordeiles
Clathartes
Charactius
Charactius
Columba
Columba
Columba
Columba

Family

ough-legged hawk Ferruginous hawk olden eagle ed-tailed hawk

lorthern Harrier etted kingfieber Bald eagle Horned lark

Accipitridee
Accipitridee
Accipitridee
Accipitridee
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Accipitridee
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Accipitridee
Accipitridee
Anaxidee

Anatodae

merican wigeon orthern shoveler orthern Pintail

Green-winged teal Cinnamon teal Blue-winged teal Mallard Gadwall Canada goose

elypeata crecca crecca discora platyrhynchos glaspera canadensis canadensis cucullatus merganaer serrator herotias

Chen Lophodytes Merris

Erretta

Anatidee
Anatidee
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20000,350 to - RIA

08/18 102 191

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corract Common raven W GL, Ag pice Blue jay R RpL, U, Ag pice Blue jay R RpL, U, Ag pice Blue jay R Ag, U phoesiactus Red-vinjeed blackbird R Ag, U payannarum Cassin's sparrow GL, Ag GL, Ag meccornii Laphad longspur W GL, Ag meccornii McCown's longspur W GL, Ag meccornii McCown's longspur W GL, Ag meccornii Corracteat colleard longspur W GL, Ag meccornii McCown's longspur W GL, Ag meccornii McCown's longspur W GL, Ag peritair Vellow warbler M Bpl, Ag, U peritair Vellow warbler M Bpl, Ag, U peritair Potentier Bpl, Ag, U Ag, Rpl, Ag, U carboning Back birth dechaired Brl, Ag, U Ag, Rpl, Ag, U carbina Bperint </th
ed magnie R ed bactbird R parrow
ed magnie R ed backbird B e ed backbird B e e garrow G G e e e e e e e e e e e e e e e e e
ed blackbird R parrow b per aparrow b b b b b b b b b b b b b b b b b b b
partow b per apartow GL ising B B B B B B B B B B B B B B B B B B B
per apartow Gilings B congress W S S S S S S S S S S S S S S S S S S
ing B congress W collected by B collected warbler M chief warbler M chief warbler B chief warbler B chief bird W B chief bird W B chief bird B corlole B Cowbird M Collole Cowbird M Collole Cowbird M Collole Cowbird M Collole B Cowbird B Cowbird B Cowbird B Collole Cowbird B Collole Cowbird B Collole Cowbird B Collole Cowbird B Collole Cowbird B Collole Cowbird B Collole Cowbird B B Cowbee B B Corlole B B B Corlole B B B Combact by M Collole Cowbee B B Corlole B B B Collole Combact by M Collole Cowbee B B Corlole Combact by M Collole Cowbee B B Corlole Combact by M Collole Cowbee B B B Collole Cowbee B B B Collole Cowbee B B B Collole Cowbee B B B Collole Cowbee B B B Collole Cowbee B B B Collole Cowbee B B Collole Cowber B B Cowber B
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warbler warbler B ckbird W black bird W plowthroat B proated chat G prode G pinnco W parrow W parrow W parrow M M parrow M M M M M M M M M M M M M M M M M M
warbler B chied blackbird B blackbird B blackbird B ceated chat B criole B criole B criole B criole B criole B criole B criole B criole B criole B criole B criole B criole B criole B criole Cowhere B cowhere Cowher
chhird W W blackhird R W W blackhird R W W W W W W W W W W W W W W W W W W
blackbird R R yellowthroat B R S S S S S S S S S S S S S S S S S S
blackbird R yellowthroat B coicle b coicle B d junco W warrow W aparrow M row R white warbler M white warbler M caded cowbird B Sparrow W washed groubeak M starrow B cowhee B arrow W waterthrush M waterthrush M W W W W W W W W W W W W W W W W W W
reacted chat B criole B criole B criole B criole B criole B criole B criole B criole B criole B criole B criole B criole B criole B criole Cowbird B criole Cowbird B criole B
reacted chat B oriole B by viole B by binnco W W washrow W warber M warber M baruh B b
oriole briole briole briole d junco W W W W W W W W W W W Saded cowbird B Sparrow W Sparrow W W W W W W W W W W W W W W W W W W W
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d junco satrow W Paparrow M row row R R R R R R Sparrow M Sparrow Sparrow W W Sparrow W Sparrow W Sparrow W W Sparrow Sparrow
warrow W aparrow M I I I I I I I I I I I I I I I I I I
sparrow M trow R saled cowbird B saled cowbird B sparula M Sparrow W ow saled growbeak M ded towhee B arrow B grackle B strow B
row R R side warbler M saded cowbird B L R Sparrow W W W W W W W W W W W W W W W W W W W
white warbler M ray warbler M ray warbler M parula M Sparrow M seed groubeak M seled groubeak M seled towhee B arrow B strow M select towhee B strow B strow B
ray warbler M parula Sparrow M Sparrow B sold groubeak M sided groubeak B arrow B grackle B grackle B
parula Sparrow Sparrow Sw W W W Sated groubeait M Sated towhee B Sarrow B Sgrackle B Sw Sgrackle B Sw Sw Sw Sw Sw Sw Sw Sw Sw Sw Sw Sw Sw
Sparnts M Sparntow B Ow W W Stated groubeak M Stated towhee B arrow B Grackle B Sirackle B Sirackle B
Sparrow B ow welerthrush M is a considered from the B arrow B care B is a considered by the base of th
ow W Indeed groubeak M Ided towhee B B Ideachke B B Ideachke B B Ideachke B I
ded towhee B arrow B cartow B cartow B cartow B cartow B cartow B cartor B
ded towhee B arrow B grackle B B B B B B B B B B B B B B B B B B B
grackle B B B Watershrush M B
grackle B B B B B B B B B B B B B B B B B B B
waterthrush M
waterthrush M
•
Districted restates B GI.
airrow.
Brewer's sparrow M GL

Offpost		•	×									×																					•									
Habitet	GL, Ag, U	GL, U, Ag	Ag. Cr, GL	. ₹	ù, A∉	Ar. U	Me, Ag, RpL, U	U, Ag	GL, RpL, Ms, Ag, U	GL, Ag, Cr, SgP	GL, Ma	Ag. Rpl., SgP, U, GL	. 19	Rpf., U	Rpt	RpL, Ag, U	U, RpL, Ag	U, Sep	Ag. Aq	Ag, Aq	Ag. Aq	Ag. Aq	νd	RpL, Ag	Ag. RpL, U, GĽ	SgP, RpL, GL, Ag	Ms, L	L, U (dumps)	L, Ri, Cr, U (dumps)	L, Ri, Cr, U (dumpe)	r, 146	Cr, Ag, GL	L, Ms	, Ng	RpL	Ag, Rpl	RpL, Ag, U	Aq, SgP, Ag	RpL. U. Ag	RpL, U, Ag	Ag. U, GL	GL, U, As, RpL
Status	×	B	#	×	×	×	8	*	*	æ	×	œ	*	*	æ	œŧ	#	>	2	m	~	æ	æ	×	*	æ	~	≱	z	z	Z	X	æ	×	•	æ	8	Z	Œ	*	Z	8
Common Name	Clay-colored sparrow	Chipping sparrow	Western meadowisch	Orange-crown warbler	Tennessee warbler	Wilson's warbler	Yellow-beaded blackbird	White-crowned sparrow	Mertin	Prairie falcon	Peregrine falcon	American keetrel	Common redpoll	Pine niskin	Lesser goldfinch	American goldfinch	House finch	Rosy finch .	Cliff swallow	Barn swallow	Bank swallow	North. Rough-winged swallow	Tree swallow	Violet-green swallow	Northern shrike	Loggerhead shrike	Black tern	Herring gull	California guil	Ring-billed gull	Bonaparte's gull	Franklin's gull	Forster's tern	Common tern	Gray cathird	Northern mockingbird	Brown thrasher	Water pipit	Swainson's thrus	Townsend's solitaire	Mountain bluebird	Western bluebird
Species	pallida	passerina	neglecta	celata	peregrina	Desailla	xanthocephalus	Jencophris	columbacius	mericanas	peregrinus	Sparverins	Charmines	Penus	peakria	tristis	mexicanus	arctos	pyrrbonote	rustica	riparia	serripennis	bicolor	thalassina	excubitor	lucovicianus	niger	argentatine	californicus	delawarensis	philadelphia	pipixcan	<u><u><u>iorsteri</u></u></u>	hirundo	carolinensis	polygiottos	rufum	<u>spinoletta</u>	ustulatus	townsendii	currucoides	mexicana
Geom	Spizella	Spiecile	Sturnella	Vernavora	Vermivors	Wileonia	Xanthocephalus	Zonotrichia	Palco	Petco	Falco	S S S S S S S S S S S S S S S S S S S	Carduelia	Carduelia	Carduelia	Carduelie	Carpodacus	Lescosticte	Hirundo	Hirundo	Riparia	Steleidopteryx	Tachycineta	Tachycineta	Lanine	Lamine	Chliconiae	erre.	Lerne	ST. ST.	Larus	Larus	Sterns	Sterns	Dumetella	Missus	Toxostoms	Anthus	Catharus	Myadestes	Sialia	Siglia
Family	Emberizidae	Emberizidae	Emberitidae	Emberitidae	Emberizidae	Emberizidae	Emberitidae	Emberisidae	Falconidae	Falconidae	Falconidae	Falconidae	Fringillidae	Fringillidae	Fringillidae	Fringillidae	Fringillidae	Fringillidae	Hirundinidae	Hirmdinidae	Hirundinidae	Hirundinidae	Hirundinidae	Hirundinidae	Laniidae	Lanindae	Laridae	Laridae	Laridae	Laridae	Caridae	Laridae	Caridae	Laridae	Mimidae	Mimidae	Mimidae	Motacillidae	Muscicapidae	Muscicapidae	Muscicapidae	Muscicapidae

Family	Genue	Species	Common Name	Status	Habitat	Offpost
Muscicanidae	Siels	ailein	Exateen bluebird	>	Roll Ac	
Memorinandas			American mbir	l a	A - 11 D.T	1
M. Carperton			American room	4 (Ag, u, Rpt	×
Paridae	Parue	atricapillus	Black-capped chickadee	e	Apt., U. Ac	
Paridae	Paris	Compeli	Mountain chickades	¥	U. Rpt.	
Passeridae	Passer	domesticus	House apartrow	3	Ag. U	×
Pelecanidae	Pelecanus	erythrothynchos	American White pelican	a	Ma, L	×
Phalaropodidae	Phalacopus	Pobatus	Northern phalarope	Z	W/0G, 14, L, U	
Phalaropodidae	Phalaropus	tricolor	Wilson's phalarope	A	W/0G, 146, Cr	
Phanianidae	Alectoria	Chater	Chekar	I.N	G. Ar	•
Phanianidae	California	Sequences.	Scaled quail	م	Ac. Rol	
Phasianidae	Colinga	vircinianus	Northern bobwhite	ρć	Ac. Rol.	
Phasianidae	Physican	colchicus	Ring-necked pheseant	R.I	Ac G. Rot.	H
Picidae	Coleptes	auratus.	Northern flicker	æ		1
Picidae	Melamerroes	erythrocephalus	Red-headed woodpecker	m	Ac. Rol. U	
Picidae	Picoides	oubeacens	Bowny woodnecker	۲		
Picidae	Picoides	villosms	Hairy woodnecker	e		
Podiciredidae	Acethorophycens	occidentalia	Western grabe	A	. E. L.	
D. Jinian J.	D. J.			2	17, 14, 1	
rodicipedada	Logicas		Horned greve	¥.	MG, L	
Podicipedadae	Podicepe	nicticallie	Eared grebe	۵		
Podicipedidae	Pochirmbas	podicepe	Pied-billed grebe	#	Ma, L	
Rallidae	Pubcs	MORPHONE	American coot	æ	Mc, L	
Rallidae	Porsana	carolina	Sora	Ø	7	
Railidae		limicola	Virginia rail	#	7	
Recurvirostridae	Himantopus	mexicanus	Black-necked stilt	×	L, Ms, W/OG	
Recurvinostridas	Recurringetra	americans	American avocet	ø	L, Ma, W/0G	
Scolopacidae	Bartramia	loagicanda	Upland sandpiper	م	1g2, SgP, Oc	-
Scolopacidae	Celiderie	व्यव	Sanderling	X	W/0G, 1, 8	
Scolopacidae	Calidrie	himantopus	Stilt sandpiper	Z	L, Ma, W/0G	
Scolopacidae	Collida	meuri	Western sandpiper	I	L, 144, Cr, W/OG	
Scolopacidae	Colidrie	melanotos	Pectoral sandpiper	Z	L, W/0G	
Scolopacidae	Calidrie	minutilla	Least sandpiper	Z	E, Ma, ₩/OG	
Scolopacidae	Calidrie	Pusilla	Semipalmated scadpiper	Z	L, Ms, W/OG	
Scolopacidae	Catoptrophorus	eemipalmatus	Willet	Z	Ms, L, W/0G	
Scolopacidae	Calinaco	Kallinago	Common snipe	Œ	GL, Ms, W/OG, Ag	
Scolopacidae	Limnodromus	scolopaceus	Long-billed dowitcher	Z	L, Ms, W/OG, Cr	
Scolopacidae	Limoth	fedos	Marbled godwit	Z	L, W/OG, Ms	
Scolopacidae	Numerica	americanus	Long-billed curlew	×	SgP, Cr. Wheat, Ms, L, W/OG	
Scolopacidae	Trings	flavipes	Lesser yellowiegs	Z	L. Ri, Ms. W/0G	
Scolopacidae	Trings	melanoleuca	Greater yellowlegs	Z	Ms. L. Ri, W/0G	•
Scolopacidae	Trings	solitaria	Solitary sandpiper	2	Ag	
Sittidae		americana.	Brown creener	i a	U Rai.	
Solonovidae	. it	0.00	Constant conductors	.	,	
Solution in the	W. Carrier		Spores a service	2	· ·	

Observed	Ħ	Ħ		
Habitat	GL, Ms, Ag RpL, Ag GL, Rodent burrows Ag, RpL	npl., Ag. U Ag. Rpl., U Ma. Aq. Ag	Ms Ac RpL Ac, GL, U, RpL Ac, RpL, U	Ag, RpL, Ag, RpL, U, Buildings U RpL, Ag, U Ag, U
Status	~ ~ a a ~ i		******	
Comerion Name	Short-eared owl Long-eared owl Burrowing owl Grest borned owl	Eastern screech owl Western screech owl Starling White-faced ibis	Long-bill marsh wren Ohve-sided flycatcher Willow flycatcher Say's phoebe Esstern kingbird	Western kingbird Cassin's kingbird Common barn ow! Warbling vireo Red-eyed vireo Solitary vireo
Species	flammeus okus cunicularia virginianus	asio kennicottii vulgaria chihi	pahutria borealis traillii saya	verticalis vociferant alba girun olivacena solitarins
Genue	Asio Asio Athene Babo	Otus Sturnes Pleandis	Critichorus Contopus Empidonax Sayorus Tyranus	Tyrannus Tyto Vireo Vireo Vireo
Family	Strigidae Strigidae Strigidae Strigidae	Strigidae Strigidae Sturmidae These tomithidae	Troglodytidae Tyramidae Tyramidae Tyramidae Tyramidae	Tyrannidae Tyrannidae Tytonidae Virconidae Virconidae

Status:

B = definite breeder
b = likely breeder
B = endengered
G = game
I = introduced
M = migrant
n = non-breeder
R = resident
W = winte, visitor

Habitat Type:

GL = grassland

SgP = short-grass prairie

CG = cactus/grassland

Sg/SD = shortgrass/semi-desert

MXP = mixed grass prairie

20000,350.10 - RIA 0808102191

TgP = tallgrass plains

.

Ms = marnhest, bogs W/OG = wet open ground OW-St/Ri, Ri = open water (rivers/streams) OW-L/R, L = lakes/reservoirs Ag = agricultural areas Cr = croplands

U = urban RpL = riparian lowland In = Intermittant ponds/lakes/streams ad = sand dunes

cl = cliff/dirt bank/exposed bedrock

References: Environmental Science and Engineering, Inc. (ESE). 1969. Biota Remedial investigation Final Report.

Colorado Division of Wildlife (CDOW). 1982. Colorado Reptile and Amphibian Distribution Latilong Study. G. Hammeson and D. Langlois, Eds. CDOW

Nongame Section.

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Appendix G

COLORADO DEPARTMENT OF HEALTH SURFICIAL SOIL ANALYTICAL DATA

Letter dated June 2, 1989, from Mr. Jeff Edson of CDH to Mr. Connally Mears of EPA Region VIII, transmitting analytical results for offpost surficial soils collected immediately north of RMA.

STATE OF COLORADO

COLORADO DEPARTMENT OF HEALTH

4210 East 11th Avenue Denver, colorado 80220 Phone (303) 320-8333



Koy Rome:

Thomas M. Vernon, M.D. Executive Director

Rec. 3/13/90

June 2, 1989

Mr. Connally Mears. 8HWM-SR U. S. EPA. Region VIII One Denver Place 999 18th Street. Suite #500 Denver, CO 80202-2413

Re: Offpost Surficial Soil Sampling North of RMA

Dear Mr. Mears:

Attached are the data for the CDH surficial soil samples collected earlier this year north of RMA at various residences in the vicinity of 96th Avenue and Peoria Street. Also enclosed is a copy of the Chain of Custody Record. a narrative describing sample locations, and a sample location map.

Two errors have been noted on the lab results from Hagar Laboratories (Report on Service Number 40289EN, March 20, 1989). After a cross-check with the field notes and chain of custody records, it was discovered that the lab misread two sample numbers. The first correction changes sample number SMAL5WB-CDH (Table 4) to SMAL4WB-CDH. The second correction changes sample number LAMB1WB-CDH (Table 8) to LAMB4WB-CDH. In addition, note that samples WERT2WB-CDH and WERT3WB-CDH are colocated duplicates and WERT-TB is a field blank.

CDH is currently calculating risks to the offpost residents exposed to contaminants identified in this sampling. Accordingly, CDH requests that before any agency of the United States or Shell Oil releases calculated risk determinations to the public, a meeting be held to discuss this issue.

Sincerely,

Jeff Edson

RMA Coordinator

Hazardous Materials and Waste Management Division SN 40289EN March 20, 1989

TABLE 1

Sample Number	Hager Reference #	Analysis (Concentration	Detection
	•	,	(mg/kg)	Limit (mg/kg)
SMALIWB	አ እ~58148	arsenic	7	
114-0126116		cadaium	1.0	
HA0989WB		copper	20	
		chronium	14	
		lead	60	
		mercury	ND	0.02
•		selenium	ND	8
		zinc	140	•
		c	Concentration	Detection
		,	(ug/kg)	Limit
			(-3 / -3/	(ug/kg)
		alpha-BHC	מא	10
		beta-BHC	ND	10
		delta-BHC	ND	10
		gamma-BHC (Linda	מא (פת	10
		haptachlor	מא	10
		aldrin	LT(10)	
		isotrin	ND	10
		heptachlor epoxi	de ND	10
		a-endosulfan	ND	10
		dieldrin	90	
		4,4'-DDE	ИD	10
		endrin	מא	10
		b-endosulfan	מא	10
		4,4'-DDD	מא	10
		endosulfan sulfa		100
		4,4'-DDT	ND	10
		methoxychlor	ND	1000
		alpha-chlordane	מא	10
		gamma-chlordane	מא	10
		tomphene	ND	1000
		endrin aldehyde	ХD	100
		arcclor-1016	χD	500
•		arcclor-1221	ΝD	500
		aroclor-1232	ХD	500
		aroclor-1242	6 20	500
		aroclor-1248	ND ND	500
		aroclo:-1254	NE NE	500
		aroclur-1260	МD	500

Note: ND - not detected at the specified detection limits.

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TN 40289EN (FCh 20, 1989

TABLE 2

	•			
Sample Number	Hager Reference #	Analysis Cor	ncentration (mg/kg)	Detection Limit (mg/kg)
TMALZWB , 10990 W.B	አእ~58149	arsenic cadmium copper chromium lead	7 LT(1.0) 20 12 50	
		mercury selenium zinc	ND LT(B) 120	0.02
		Cos	ncentration (ug/kg)	Detection Limit (ug/kg)
			ND	10
		alpha-BHC	מא	10
		beta-BHC	ND	10
		delta-BHC gamma-BHC (Lindan		10
			מא	10
•		heptachlor	ND	10
		aldrin	ND	10
		isodrin		10
•		heptachlor epoxid	ND	10
		a-endosulfan	40	- "
		dieldrin	מא	10
		4,4'-DDE	פא	10
		endrin	מא	10
		b-endosulfan	מא	10
		4,4'-DDD		700
		andosulfan sulfat	120	
		4,4'-DDT	מא	1000
		methoxychlor	מא	10
		alpha-chlordane	ND	10
,		gamma-chlordane	ND	1000
		toxaphene	ND	100
	•	endrin aldehyde	ND	500
•		aroclor-1016	מא	500
		aroclor-1221	מא	500
•		aroclor-1232	ND D	500
•		aroclor-1242	מא	500
		aroclor-1248	מא	500
		aroclor-1254	מא	500
		ニナ(でこよりょう よふじじ	• • •	

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TABLE 3

Sample Number	Hager Reference #	Analysis	Concentration (mg/kg)	Detection Limit (mg/kg)
SMAL3WB-CDH	AA-58150	arsenic cadmium copper	5 LT(1.1) 10	
CDH only		chromium lead	10 50	
		mercury	סא	0.02
		sejenium	מא	8
		zinc	80	
		C	Concentration (ug/kg)	Detection Limit (ug/kg)
		alpha-BHC	ND	10
		bete-BHC	МD	10
		delta-BHC	ND	10
		gamma-BHC (Linda		10
		heptachlor aldrin	ND LT(10)	10
		isodrin	LT(IO)	10
		heptachlor epoxi		10
		a-endosulian	מא	10
		dieldrin	50	~~
		4.4'-DDE	מא	10
		endrin	ND	10
	·	b-endosulfan	מא	10
		4,4'-DDD	ND	10
		andosulfan sulfa		100
		4,4'-DDT	מא	70
		methoxychlor alpha-chlordane	ND	1000
		games-chlordene	מא מא	10 10
		toxaphene	תא סא	7000
		endrin aldehyde	מא	100
		aroclor-1016	מא	500
		aroclor-1221	מא	500
•		aroclox-1232	מא	500
		aroclor-1242	מא	500
		aroclo;-1248	. ND	500
		aroclor-1254	ND	500
		aroclor-1260	ND	500

Note: ND - not detected at the specified detection limits.

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TABLE 4

sample Number	Hager Reference #	Analysis	Concentration (mg/kg)	Detection Limit (mg/kg)
SMALSWB-CDH	AA-58151	arsenic Cadmium	4 LT(1.0)	
~AD		COPPET	10	
C40 3/22		chromium	11	
-1		lead	30	
		wetchil	ND	0.02
		sejenium	LT(8)	
CDH only		zinc	50	
			Concentration (ug/kg)	Detection Limit (ug/kg)
		alpha-BHC	KD	10
		bata-BHC	ИD	10
		delta-BHC	ND	10
i		gamma-BHC (Lind		10
		heptachlor	מא	10
ī		aldrin	LT(10)	
}		isodrin	ND	10
		heptachlor epox	ide ND	10
1		s-endosulfan	ИD	10 .
1		dieldrin	70	
•		4,4'-DDE	סא	10
•		endrin	LT(10)	
		b-endosulfan	ND	10
1		4,4'-DDD	מא	10
_		endosulian sulf		100
1		4,4'-DDT	ND	10
1		methoxychlor	ND	1000
		alpha-chlordane	ΝD	10
{	•	gamma-chlordane	DИ	10
i		toxaphene	ND	1000
		endrin aldehyde aroclor-1016	תא מא	100 500
7		aroclor-1016	םא מא	500
		aroclor-1221	אם מא	500
		aroclor-1242	מא	500
-	•	aroclor-1248	ND .	500
		aroclor-1254	ND .	500
		aroclor-1260	מא	500

TABLE 5

Sample Number	Hager Reference #	Analysis C	Concentration (mg/kg)	Detection Limit (mg/kg)
OHLE3WB-CDH	አ አ-58152	arsenic	10	
		cadmium	LT(1.1)	
CDH Only		cobber	10	
CUM CITY		chromium	17	
•		lead	20 ND	0.02
		mercury selenium	パロ	4
		zinc	50	. •
		22.00	50	
•		C	oncentration (ug/kg)	Detection Limit (ug/kg)
		alpha-BHC	מא	10
		beta-BHC	ND	10
		delta-BHC	מא	10
		gamma-BHC (Linda	ne) ND	10
		heptachlor	מא	10
		aldrin	LT(10)	
		isodrin	מא	10
		heptachlor spoxi		10
		a-endosulfan	ND .	10
		dieldrin	10	
		4,4'-DDE endrin	KD CX	10
		b-endosulfan	ND ND	10 10
		4.4'-DDD	ND ND	10
		endosulian sulfa		700
		4,4'-DDT	ND	10
		methoxychlor	ND	1000
		alpha-chlordane	ND	10
	•	gamma-chlordane	ND	10
		toxaphene	КD	1000
		endrin aldehyde	ND	100
		aroclor-1016	ND	500
		aroclor-1221	סא	500
•		aroclor-1232	ND	500
•		aroclor-1242	ND	500
		aroclor-1248	מא	500
		aroclor-1254	7.D	500
		aroclor-1260	ND	500

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TABLE 6

Sample Number	Hager Reference #	Analysis C	oncentration (mg/kg)	Detection Limit (mg/kg)
OHLE4WB-CDH	AA-58153	arsenic	7	
ONLEANS-CON	,2, 0555	cadmium	LT(1)	
•		copper	10 13	
CDH only		chromium	20	
CUMCII		lead	עם מא	0.02
·		mercury	סא	15
		selenium	40	
		zinc		
			Concentration	Detection
			(ug/kg) ·	Limit
	,		\ 	(ug/kg)
				_
		alpha-BHC	מא	10
		beta-BHC	ND	10
		delta-BHC	ND	70
		gamma-BHC (Lind	ane) ND	10
		heptachlor	שא	10
		aldrin	LT(10)	
		isodrin	D	10
·		heptachlor epox	ide ND	10
*		e-endosulian	עא	70
		dieldrin	20	• •
		4,4'-DDE	מא	10
:		endrin	ND	10
		b-endosulfan	ND	10
		4 4'-DDD	ďΩ	10
ì		endosulian sulf	ate ND	100
,		4.4'-DDT	ND	10 1000
		methoxychlor	ND	10
3		alpha-chlordane	ND	10
,•	•	gamma-chlordane	מא	1000
•		toxaphene	מא	100
		andrin aldehyde	אמ	500
		aroclor-1016	ND	500
•		aroclor-1221	ND DX	500
••		aroclor-1232	ND	500
,		aroclor-1242	. ND	500
•		aroclor-1248	. מא	500
7		aroclor-1254	אס מא	500
i		aroclor-1260	שא	

TABLE 7

Sample Number	Hager Reference #	Analysis C	Concentration	Detection
20p.z	HONEY METERMINE H	_	(mg/kg)	Limit
		·*	(g / g /	(mg/kg)
				("''' \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
LAMBIWB	AA-58154	arsenic	9	
	W-20124	cadmium	1.1	
HA0993NB		COPPET	20	
		chromium	15	
		lead	70	
			-	0.03
		mercury	מא	0.02
		salanium	מא	8
		zinc	110	
		•		D
		<u> </u>	oncentration	Detection
			(ug/kg)	Limit
				(ug/kg)
		-1-L 1940	מא	3.0
		alpha-BHC beta-BHC	מא מא	10
	1			10
		delta-BHC	מא	10
		gamma-BHC (Linda		10
		pebæcpjor	מא	10
		aldrin	ND	10
		isodrin	ND	10
		heptachlor epoxi		
		e-endosulfan	ND	10
		dieldrin	40	
		4,4'-DDE	DN	10
		endrin	מא	10
		b-endosulfan	מא	10
		4,4'-DDD	ND	10
		endosulfan sulfa		100
		4,4'-DDT	מא	10
	·	methoxychlor	מא	1000
		alpha-chlordana	40	
		gamma-chlordane	20	
		Toxaphene	ND	1000
		endrin aldehyde	ND	100
		aroclor-1016	ND	500
		aroclor-1221	ND	500
,		aroclor-1232	ND	500
•		aroclor-1242	ND	500
		aroclor-1248	ND	500
·		aroclor-1254	ND	500
		aroclor-1260	ND	500 ,
			•	

TABLE 8

	•	Number	Hager Reference #	Analysis	Concentration (mg/kg)	Detection Limit (mg/kg)
						-
-4°C	(LAMB1WE	-CDH	AA-58155	arsenic	9	
•				cadmium	1.0	
		AY		copper	10	
		رو ورا		chromium	LT(30)	
		310		lead	20	
				WELCHLA	סא	0.02
				selenium '	סא	8
	CDH	only		zinc	90	
	_ , ,	•			Concentration	Detection
					(ug/kg)	Limit
						(vg/kg)
				alpha-BHC	ND	70
				bets-BHC	МD	10
				delta-BHC	ND	10
		•		gamma-BHC (Lind:		10
				heptachlor	מא	10
				aldrin	LT(10)	
				isodrin	מא	10
	•			heptachlor epox:	ide ND	10
•				a-endosulfan	מא	10
•				dieldrin	10	
				4,4'-DDE	20	
				endrin	LT(10)	
				b-endosulfan	מא	10
				4,4'-DDD	מא	10
				endosulfan sulfa		100
-				4,4'-DDT	140	
				methoxychlor	סמ	1000
	•			alpha-chlordane	ND	10
				gamma-chlordane	ND	10
j				Toxaphene	מא	1000
				endrin aldehyde	מא	100
				aroclor-1016	ND	500
•				aroclor-1221	מא	500
	•			aroclor-1232	שא	500
				aroclor-1242	ND	500
Ī	•			aroclor-1248	מא	500
Ì				aroclor-1254	ND	500
				aroclor-1260	ND	500

TABLE 9

Sample Number	Hager Reference #	Analysis	Concentration (mg/kg)	Detection Limit (mg/kg)
CDH only	AA-58156	arsenic cadmium copper chromium	6 ND 10 9	0.9
CAHOMA		lead mercury zinc	10 ND ND 30	0.02
		•	Concentration (ug/kg)	Detection Limit (ug/kg)
		alpha-SHC beta-BHC	ND ND	10 10
		delta-BHC gamma-BHC (Lind heptachlor	DN D DN OND	10 10 10
		aldrin isodrin haptachlor epox	LT(10) ND Lde ND	10
		a-endosulfan dieldrin 4,4'-DDE	LT(10) ND	10
		endrin b-endosulfan 4,4'-DDD	LT(10) ND ND	10
		endosulfan sulf 4,4'-DDT methoxychlor		100 10 1000
		alpha-chlordane gamma-chlordane	ND	10 10 10
		roxaphene endrin aldehyde aroclor-1016		100 500 500
		aroclor-1221 aroclor-1232 aroclor-1242	ДИ ДИ ИД	500 500 500
•		aroclor-1248 aroclor-1254 aroclor-1260	מא מיי	500 500

TABLE 10

		-			
ì	Sample Number	Hager Reference #	Analysis	Concentration (mg/kg)	Detection Limit (mg/kg)
	WERT2WB-CDH	AA-58157	arsenic	LT(5)	
		55157	cadmium	מא	1
	00.1		copper	. 7	•
	CDH only		chromium	7	
	t		lead	10	
			mercury	מא	0.02
	•		selenium	DИ	14
			zine	30	
				Concentration	Detection
				(ug/kg)	Limit (ug/kg)
			alpha-BHC	מא	10
		•	beta-BHC	ND	10
			delta-BHC	סא	10
			gamma-BHC (Lind	ane) ND	10
			heptachlor	ND	10
			aldrin	LT(10)	
			isodrin	מא	10
			heptachlor epox		10
			a-endosulfan	מא	10
			dieldrin 4.4'-DDE	10 ND	10
			endrin	LT(10)	10
			b-endosulfan	ND	10
			4,4'-DDD	ND	10
			endosulfan sulf		100
			4,4'-DDT	LT(10)	
			methoxychlor	מא	1000
			alpha-chlordane	ИD	10
			gamma-chlordane	ND	10
			toxaphene	מא	1000
			endrin aldehyde	ND	100
			aroclor-1016	ND	500
			aroclor-1221	ND	500
	•		aroclor-1232	ND	500
			aroclor-1242	KD	500
			aroclor-1248 aroclor-1254	ND CX	500
			aroclor-1254	ND ND	500 500
			9196101-1790	טא	300

TABLE 11

### AA-58158 arsenic	Sample Number Hager Re	ferance # A	nalysis C	oncentration (πig/kg)	Detection Limit (mg/kg)
Deplicate of the chromium 6 chromium 6 chromium 6 chromium 6 chromium 10 0.02 metaurry ND 0.02 metaurry ND 15 zino 20 20 20 20 20 20 20 20 20 20 20 20 20	H D.(10 112 112 112 112 112 112 112 112 112 1	-		• •	1
alpha-BHC ND 10 beta-BHC ND 10 delta-BHC ND 10 gamma-BHC (Lindana) ND 10 pamma-BHC (Lindana) ND 10 heptachlor ND 10 isodrin ND 10 heptachlor epoxide ND 10 a-endosulfan ND 10 dieldrin LT(10) d.4'-DDE ND 10 endrin LT(10) b-endosulfan ND 10 d.4'-DDE ND 10 endrin LT(10) b-endosulfan ND 10 d.4'-DDE ND 10 endosulfan ND 10 endosulfan ND 10 cendosulfan ND 10 d.4'-DDT ND 10 endosulfan ND 10 endosulfan ND 10 endosulfan ND 10 endosulfan ND 10 endosulfan ND 10 endosulfan ND 100 endosulfan ND 100 endosulfan ND 100 endosulfan ND 100 endosulfan ND 100 endosulfan ND 100 alpha-chlordana ND 10 gamma-chlordana ND 10 coxphena ND 100 endrin aldahyda ND 100 endrin aldahyda ND 100 aroclor-1212 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500		<u>د</u>	· -	6	
alpha-BHC ND 10 beta-BHC ND 10 delta-BHC ND 10 gamma-BHC (Lindana) ND 10 pamma-BHC (Lindana) ND 10 heptachlor ND 10 isodrin ND 10 heptachlor epoxide ND 10 a-endosulfan ND 10 dieldrin LT(10) d.4'-DDE ND 10 endrin LT(10) b-endosulfan ND 10 d.4'-DDE ND 10 endrin LT(10) b-endosulfan ND 10 d.4'-DDE ND 10 endosulfan ND 10 endosulfan ND 10 cendosulfan ND 10 d.4'-DDT ND 10 endosulfan ND 10 endosulfan ND 10 endosulfan ND 10 endosulfan ND 10 endosulfan ND 10 endosulfan ND 100 endosulfan ND 100 endosulfan ND 100 endosulfan ND 100 endosulfan ND 100 endosulfan ND 100 alpha-chlordana ND 10 gamma-chlordana ND 10 coxphena ND 100 endrin aldahyda ND 100 endrin aldahyda ND 100 aroclor-1212 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500	To alo ande Ma	<u>ن</u> م		6 '	
alpha-BHC ND 10 beta-BHC ND 10 delta-BHC ND 10 gamma-BHC (Lindana) ND 10 pamma-BHC (Lindana) ND 10 heptachlor ND 10 isodrin ND 10 heptachlor epoxide ND 10 a-endosulfan ND 10 dieldrin LT(10) d.4'-DDE ND 10 endrin LT(10) b-endosulfan ND 10 d.4'-DDE ND 10 endrin LT(10) b-endosulfan ND 10 d.4'-DDE ND 10 endosulfan ND 10 endosulfan ND 10 cendosulfan ND 10 d.4'-DDT ND 10 endosulfan ND 10 endosulfan ND 10 endosulfan ND 10 endosulfan ND 10 endosulfan ND 10 endosulfan ND 100 endosulfan ND 100 endosulfan ND 100 endosulfan ND 100 endosulfan ND 100 endosulfan ND 100 alpha-chlordana ND 10 gamma-chlordana ND 10 coxphena ND 100 endrin aldahyda ND 100 endrin aldahyda ND 100 aroclor-1212 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500	DUPITICATE OF	1		10	
alpha-BHC ND 10 beta-BHC ND 10 delta-BHC ND 10 gamma-BHC (Lindana) ND 10 pamma-BHC (Lindana) ND 10 heptachlor ND 10 aldrin LT(10) isodrin ND 10 heptachlor epoxide ND 10 a-endosulfan ND 10 dieldrin LT(10) 4,4'-DDE ND 10 endrin LT(10) b-endosulfan ND 10 endrin LT(10) b-endosulfan ND 10 4,4'-DDD ND 10 endos lifan sulfate ND 10 endos lifan sulfate ND 100 4,4' DDT LT(10) methoxychlor ND 100 alpha-chlordana ND 10 gamma-chlordana ND 10 toxaphana ND 10 coxaphana ND 100 endrin aldahyda ND 100 aroclor-1214 ND 500 aroclor-1232 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500	1012 004	#n		מא	
alpha-BHC ND 10 beta-BHC ND 10 delta-BHC ND 10 gamma-BHC (Lindana) ND 10 pamma-BHC (Lindana) ND 10 heptachlor ND 10 aldrin LT(10) isodrin ND 10 heptachlor epoxide ND 10 a-endosulfan ND 10 dieldrin LT(10) 4,4'-DDE ND 10 endrin LT(10) b-endosulfan ND 10 endrin LT(10) b-endosulfan ND 10 4,4'-DDD ND 10 endos lifan sulfate ND 10 endos lifan sulfate ND 100 4,4' DDT LT(10) methoxychlor ND 100 alpha-chlordana ND 10 gamma-chlordana ND 10 toxaphana ND 10 coxaphana ND 100 endrin aldahyda ND 100 aroclor-1214 ND 500 aroclor-1232 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500 aroclor-1242 ND 500	Wertand-Cun	•••		מא	15
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aroclor-1254 ND 500		•	aroclor-1248	ND	
aroclor-1260 ND 500		,	roclor-1254	ND	
		1	aroclor-1260	DN	500

TABLE 12

ample Number	Hager Reference #	Analysis C	oncentration (ug/kg)	Detection Limit (ug/kg)
.IERT-TB	AA-58159	alpha~BHC	ND	10
		beta-BHC	ND	io
i		delta-BHC	מא	10
]		gamma-BHC (Linda:	ne) ND	10
		heptachlor	מא	10
1		aldrin	מא	10
•		isodrin	מא	10
		heptachlor epoxic	de ND	10
•		a-endosulfen	מא	10
		dieldrin	מא	10
		4,4'-DDE	מא	10
		endrin	KD	10 .
		h-endosulfan	ND	70
		4,4'-DDD	מא	10
		endosulfan sulfat		100
[4,4'-DDT	ND	10
		methoxychlor	ND	1000
		alpha-chlordane	ND	10
•		gamma-chlordane	מא	10
		toxaphene	סא	1000
1		endrin aldehyde	ND	100
		aroclor-1016	ДN	500
		eroclor-1221	ND	500
		aroclor-1232	מא	500
		aroclor-1242	מא	500
		aroclor-1248	מא	500
		aroclor-1254	מא	500
		aroclor-1260	מא	500

TABLE 13

•		TABLE 13		
Sample Number	Hager Reference	# Analysis	Concentration (mg/kg)	Detection Limit (mg/kg)
COLLIMB	AA-58160	arsenic cadmium copper	10 LT(1) 10	
HA0997 NB		chromium	LT(15) 20	
,, = ,		werchil Teaq	ND ND	0.02 14
		selenium ziņc	40	
		·	Concentration (ug/kg)	Detection Limit (ug/kg)
		alpha-BHC	מא	10
		beta-BHC	ND	10
		delta-BHC	RD	10
		gamma-BHC	(Lindane) ND	10
		haptachlo	n 179	10
		aldrin	LT(10)	
		isogrin	D	10
		heptachlo:	- epoxide ND	10
		s-eugoan;	ND	10
		dieldrin	20	
		マーマナー かいた ロボの下のエエバ	מא	10
		4,4'-DDE	ИD	10
		endrin b-endosul	san ND	10
		D-6UGDBAT	מא	10
		4,4'-DDD	n sulfate ND	100
		GUGDERTIC	ND ND	10
	•	4,4'-DDT	מא אס	1000
		methoxych	and and	10
		alpha-chl	ordana ND	10
		gamma-chl	ND	1000
		tomaphene endrin al	debude ND	100
		enerin ea	DI 6 ND	500
		aroclor-l	221 ND	500
		aroclor-		500
		aroclor-		500
·		aroclor-	ND ND	500
		stoctor-	1254 ND	500
		stoctor-	1260 KD	500
		SICTOI.	***	

TABLE 14

	•			
Sample Number	Hager Reference #	Analysis C	Concentration (mg/kg)	Detection Limit (mg/kg)
COLL2WB-CDH	AA-58161	arsenic	12	
	761-30101	cadmium	LT(1)	
COIL only		Copper	10	
CDH only		chromium	16	
, 1		lead	20	
		mercury	ND	0.02
		selenium	מא	30
		zinc	50	
		C	Concentration	Detection
	•		(ug/kg)	Limit (ug/kg)
		alpha-EHC	מא	10
		beta-BHC	ND	10
		delta-BHC	ND	10
		gamma-BHC (Linda		70
		heptachlor	ND	10
		aldrin	LT(10)	
		isodrin	מא	10
		neptachlor epoxi	de ND	10
		a-endosulfan	ND	10
		dieldrin	LT(10)	
		4,4'-DDE	מא	10
,		endrin	LT(10)	
		b-endosulfan	ND	10
		4,4'~DDD	מא	10
		endosulfan sulfa		100
		4,4'-DDT	מא	10
		methoxychlor	סא	1000
		alpha-chlordane	ND	10
		gamma-chlordane	מא	10
•		toxaphene	ND	1000
		endrin aldehyde	מא	100
		aroclor-1016	ND	500
		aroclor-1221	מא	500
•		aroclor-1232	מא	500
		aroclor-1242	ND	500
		aroclor-1248	ND	500
		aroclor-1254	מא	500
		aroclor-1260	DA	500

Non-Aqueous Surrogate Percent Recovery Summary

Surrogate	Name:	DBC
Sample Nu	mbers:	
AA-58148		104\$
AA-58148	Dup.	734 .
AA-58149		89%
AA-58150		70%
AA-58151		80%
AA-58152		731
AA~58153		251
AA-58154		75%
AA-58155		74%
AA-58156		72%
AA-58157		84%
AA-58158	•	62%
AA-58158	Dup	80%
AA-58159	•	100%
AA-58160		76%
AA-58161		444
AA-58161	MS	33%
AA-58161		98
.4. 4454		

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OFFFOST CDH SURFICIAL SOIL SAMPLING NORTH OF RMA February 24, 1989

Description of sample locations:

Smalldone Residence

- Smal 1wb (co-located) south side of house, 18" from foundation, below window.
- 2. Smal 2wb (co-located) 10 ft. from east side of house, 3 ft. south of patio in flowerbed area.
- 3. Smal 3wb (CDH) backyard, 8 ft. east of tree, 20 ft. south of bern.
- 4. Smal 4wb (CDH) southeast area of yard, 20 ft. north of front (south) fence, 25 ft. west of east fence.

Ohle Residence

- 1. Ohle 1wb (Army), backyard, in corner, on southwest side of workshed.
- 2. Ohle 2wb (Army), backward, west side of property, 250 ft. northwest of house, on west side of dog pens.
- 3. Ohle 3wb (CDH), southwest corner of front yard approximately 16 ft. north of 96th Avenue, 20 ft. east of west property line.
- 4. Ohle 4wb (CDH), front yard, 12' east of driveway entrance, 20 ft. north of 96th Avenue.

Lambert Residence

- 1. Lamb 1wb (co-located) near southwest corner of house.
- 2. Lamb 2wb (Army) near west boundary property line, approximately 60 ft. north of 96th Avenue.
- 3. Lamb 3wb, same locality as #2 duplicate.
- 4. Lamb 4wb (CDH) near center of backyard gurden.
- 5. Lamb 5wb (CDH), northeastern area of backward, near flood plain boundary.
- 6. Lamb 6wb, between Lambert and Smalldone residence, in field.

Werth Residence

- 1. Wert 1wb (Army), backyard between work sheds.
- Wert 2wb (CDH), front yard, approximately 50 ft. east of driveway, 10 ft. south of pine tree.
- 3. Wert 3wb (CDH), same location as #2 duplicate.

Collins Residence

- 1. Coll 1wb (co-lecated), 25 ft. west of front yard.
- 2. Coll 2wb (CDH), approximately 100 ft. north of house, in grassy area of field.

Spencer Property

1. Spen 1wb (Army), even with Collins' house, midway between Collins and Ohle residences (in open field).



REPORT ON SERVICE NUMBER 40289EN March 20, 1989

Customer Project Code:

To:

Mr. Chris Dacey

Geofrans

3300 Mitchell, Suite 250

Boulder, CO 80301

Analysis:

The following samples were submitted for analysis: Thirteen soil samples for arsenic, cadmium, copper, Chiomium, lead, mercury, selenium, zinc, and EPA Method

8080.

One water sample for arsenic, cadmium, copper, chromium,

lead, mercury, selenium, zinc, and EPA Method 8080.

Method:

METALS

A measured aliquot of the sample material was acid-ashed and diluted to a known volume. The quantity of the metal of interest was determined by atomic absorption spectroscopy. The absorbance readings for each sample were compared to a calibration curve obtained from standard metal solutions.

MERCURY

A measured aliquot of sample was digested with acid, potassium permanganate and potassium persulfate solutions in a hot water bath. The dissolved mercury was reduced to the vapor state and analyzed with flameless atomic absorption spectroscopy. Mercury concentration was determined by comparison to standard mercury solutions.

EPA Method 8080: Organochlorine Pasticides and/or PCB's 30 grams of soil is extracted with a solvent using a soxhlet extractor for 24 hours. The extract is dried, concentrated and exchanged for hexane. The pasticides and PCB's of interest are then determined by gas chromatography employing an electron capture detector by comparison to known concentrations of pasticides and PCB's.

Results:

The results are found on Tables 1 through 16.

Discussion:

The water sample was analyzed as if it was a soil per clients request.

LT() indicates "less than" with the lower limit of quantification shown in parentheses.

All samples for metal analysis have been corrected for the blank values found in sample WERT-TB (AA-58159).

Page 2, SN 40289EN GeoTrans March 20, 1989

Discussion (cont.)

Hager Laboratories, Inc., has been AIHA accredited since 1977.

Laboratory data are filed and available upon request.

If you have any questions, please contact Harry Borg, of our Technical Services Department, at (303)790-2727 or toll free at (800)282-1835,

Submitted by:

Michael 'Aaronson, Ph.D.

Environmental Chemistry Manager

MA/sn

TABLE 16
Non-Aqueous Matrix Spike/Duplicate Matrix Spike Recovery

Compound	Spiked Sample Result (SSR) (ug)	Duplicate Spiked Sample Result (ug)	Sample Result (SR) (ug/g)	Spike Amount Added (SA) (ug) %	Sample	Duplicate Spiked Sample % Recovery
g-BHC	0.18	off scale	ND	0.2	90	peak off
heptachlo	r 0.16	0.14	מא	ò.2	80	70
aldrin	0.18	off scale	0.001	0.2	90	peak off scale
dieldrin	0.21	0.02	0.005	.0.5	41	3
enárin	0.33	0.60	0.001	0.5	8,6	113
פרם	0.138	0.154	ND	0.5	277	154

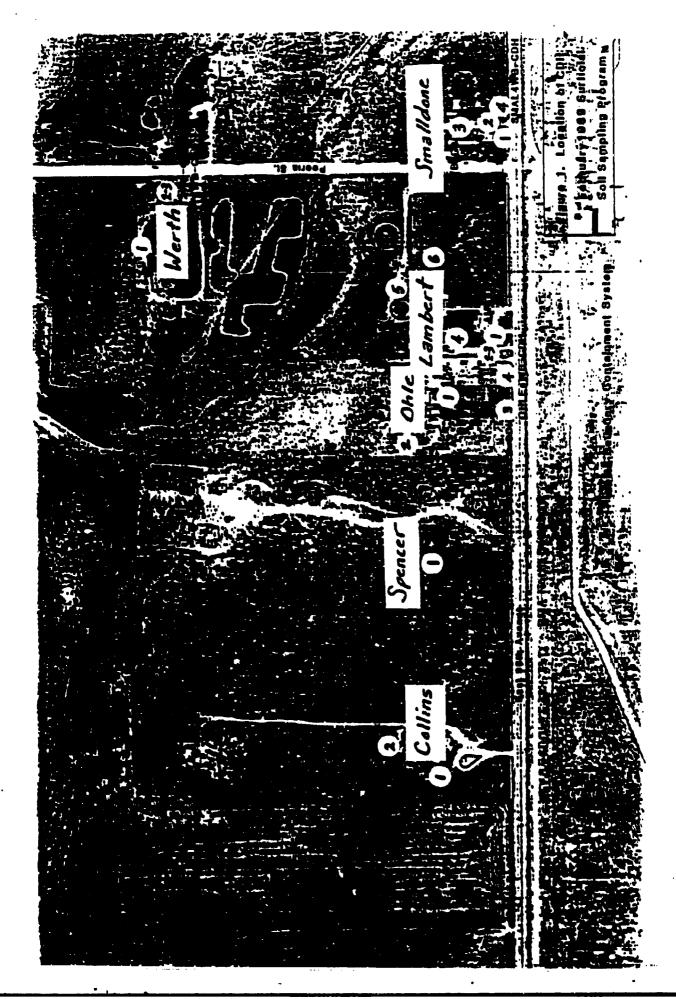
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Sec. 1 400 K-COH	58151	1	•	46	Soil			7	<u> </u>	1	
Jak Jus -COH	58152	1	•	44	5007	_		3		1	
Chb446-COH	53153	ı	•	42	5.5	\-\-		1/2	1	1	<u> </u>
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WERTING-COIL	58157	1	4,	7,7	100			 		<u> </u>	<u> </u>
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RACES LABORATORIES, 184.

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WEAT Juin-cat		,	٨	2.4	1,23	•					
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Appendix H

ANALYTICAL RESULTS FOR ADDITIONAL OFFPOST SURFICIAL SOIL SAMPLES COLLECTED BY WOODWARD-CLYDE FEDERAL SERVICES (WCFS), MAY 1991

Table H1 Analytical Results for Surficial Soits Samples *

Sample 1D Date	010F01	020F01 05/21/91	030£61	100F01 05/20/91
Analytes				
2,2-8is(parachlorophenyl)-1,1,1-Trichloroethane (DDI) (GCMS)	0.00418	0.0247	0.00986 < 0.00466	0.180 0.260
Aldrin (GDIS)	< 0.00211	< 0.00211	< 0.00211	< 0.00211 < 0.0030
Chlordane (GCMS) Dieldrin (GCMS)	< 0.00181	0.0236	0.00205	0.00358
Endrin (GCMS) Nexachlorocyclopentadieme (GCMS) Isodrin (GCMS)	< 0.00471 < 0.00137 < 0.00188	0.00919 < 0.00137 < 0.00183	< 0.00471 < 0.00137 < 0.00188	0.00980 < 0.00137 < 0.00188

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

- -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- > -- indicates that target analyte was detected at or aboue the Maximum Reporting Limit.
 - Analytical results for Offpost Surficial Soil Samples collected by Woodward Clyde · Federal Services.

NA ·· Not Analyzed.

Table H1 Analytical Results for Surficial Soils Samples *

	100f02	100F03	100f 04	110F01
Date	05/21/91	05/21/91	05/21/91	16/12/50
Analytes				
c consistence of the contract of the contract (COS)	0.0395	0.0695	0.00547	0.0589
2, 2 alsoper active density (1,1); (1,2); (1	0.130	0.0167	< 0.00466	0.0640
A. C. Bloched delice dylenger (C. C. C. C. C. C. C. C. C. C. C. C. C. C	< 0.00211	< 0.00211	< 0.00211	< 0.00211
	< 0.0230	< 0.0230	< 0.0230	< 0.0230
Dieldrin (GCHS)	0.00399	0.0135	0.00215	0.0227
Endrin (GCMS) Nexachlorocyclopentadiene (GCMS) Isodrin (GCMS)	0.00621 < 0.00137 < 0.00188	0.0402 < 0.00137 < 0.00188	0.0135 < 0.00137 < 0.00188	0.0147 < 0.00137 0.00220

Notes: Values are reported in micrograms per gram.

Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- > -- indicates that target analyte was detected at or above the Maximum Reporting Limit.
 - * -- Analytical results for Offpost Surficial Soil Samples collected by Woodward Clyde Federal Services.

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Sample ID Date	110F02 05/21/91	120F01 05/20/91	130F01 05/20/91	140F01 05/20/91
Analytes				
2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethare (DOI) (GCMS)	0.00937	< 0.00277	< 0.00277	0.00700
2.2-Bis(parachiorophenyl)-1,1-Dichloroethene (DDE) (GCMS)	< 0.00466	< 0.00466	< 0.00466	< 0.00466
A(drin (GCMS)	< 0.00211	< 0.00211	< 0.00211	0.00407
Chlordane (GCRS)	< 0.0230	< 0.0230	< 0.0230	< 0.0230
Dieldrin (GCMS)	0.00451	0.00260	0.00744	0.0582
Endrin (GCMS) Hexachlorocyclopentadiene (GCMS) Isodrin (GCMS)	< 0.00471 < 0.00137 < 0.00188	< 0.00471 < 0.00137 < 0.00188	< 0.00471 < 0.00137 < 0.00188	0.00946 < 0.00137 < 0.00168

Values are reported in micrograms per gram. Notes:

Reported values are accurate to three significant figures.

- < -- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- > -- indicates that target analyte was detected at or above the Maximum Reporting Limit.
 - -- Analytical results for Offpost Surficial Soil Samples collected by Woodward Clyde - Federal Services.

NA -- Not Analyzed.

Table H1 Analytical Results for Surficial Soils Samples *

Sample ID	140F02	150f01	150f 02	160F01
Date	05/20/91	05/20/91	05/20/91	05/20/91
Analytes 2,2-Bis(parachlorophenyl)-1,1,1-Trichloroethane (DDT) (GCMS) 2,2-Bis(parachlorophenyl)-1,1-Dichloroethene (DDE) (GCMS) Aldrin (GCMS) Chlordane (GCMS) Dieldrin (GCMS)	< 0.00277 < 0.00466 < 0.00211 < 0.0230 0.0155	< 0.00277 < 0.00466 < 0.00211 < 0.0230 0.00877	0.0589 < 0.00466 < 0.00211 < 0.0230 0.0320	0.0388 0.0657 < 0.00211 < 0.0230
Endrin (GDKS)	0.00564	< 0.00471	0.0197	0.00667
Hexachlorocyclopentadiene (GDKS)	< 0.00137	< 0.00137	< 0.00137	< 0.00137
Isodrin (GDKS)	< 0.00188	< 0.00188	< 0.06188	< 0.00168

Notes: Values are reported in micrograms per gram.
Reported values are accurate to three significant figures.

 indicates that the target analyte was not detected at or above the Certified Reporting Limit.

> -- indicates that target analyte was detected at or above the Maximum Reporting Limit.

 Analytical results for Offpost Surficial Soil Samples collected by Woodward Clyde - Federal Services.

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9	2 and and	Jate

Analytes

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2 2.ais/parachinconheny()-1.1.1-Trich(proethane (001) (60KS)	0.00625
(SMS) (300) academical delication in the second sec	× 0.00466
2,2-Bis(parachlorophery()-1,1-01cm(orecliene (voc.) (voc.)	, 0 00311
Aldrin (GDRS)	1 200.0
CAMPAN (COME)	< 0.0230
	0010
Dieldrin (GCMS)	0.0
	< 0.00471
Endrin (GLAS)	72100 0
Mexachlorocyclopentediene (GDIS)	CIOC. 70
	< 0 00188
Isodrin (GDS)	

Notes: Values are reported in micrograms per gram. Reported values are accurate to three significant figures.

- indicates that the target analyte was not detected at or above the Certified Reporting Limit.
- > -- indicates that target analyte was detected at or above
- the Maximum Reporting Limit.
 -- Analytical results for Offpost Surficial Soil Samples collected by Woodward Clyde Federal Services.
 - NA -- Not Analyzed.